



Missouri Department of Natural Resources
Air Pollution Control Program

PERMIT TO OPERATE

Under the authority of RSMo 643 and the Federal Clean Air Act the applicant is authorized to operate the air contaminant source(s) described below, in accordance with the laws, rules, and conditions set forth here in.

Intermediate Operating Permit Number:

Expiration Date:

Installation ID: 163-0008

Project Number: 2002-05-369

Installation Name and Address

Wayne B. Smith
Hwy. 79 South, P.O. Box 474
Louisiana, MO 63363
Pike County

Parent Company's Name and Address

Wayne B. Smith
Hwy. 79 South, P.O. Box 474
Louisiana, MO 63363

Installation Description:

This installation consists of a limestone quarry and crushing plant on the west side of Highway 79 just south of Louisiana, Missouri; barge loading and unloading docks, rock storage, bauxite and fertilizer (urea and ammonium nitrate) processing; and sand dredging and storage operations east of the highway.

Effective Date

Director or Designee
Department of Natural Resources

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I. Installation Description and Equipment Listing

INSTALLATION DESCRIPTION

This installation consists of a limestone quarry and crushing plant on the west side of Highway 79 just south of Louisiana, Missouri; barge loading and unloading docks, rock storage, bauxite and fertilizer (urea and ammonium nitrate) processing; and sand dredging and storage operations east of the highway.

The installation's operation utilizes the following ten processes.

- 1) Barge unloading for bauxite and urea.
- 2) Bauxite crushing and screening.
- 3) Barge unloading.
- 4) Barge loading.
- 5) Barge unloading, conveying, and bulk bagging for bauxite and ammonium nitrate.
- 6) Sand processing.
- 7) Bauxite drying.
- 8) Rip-rap (large limestone rock) sizing.
- 9) Limestone crushing.
- 10) Drilling and blasting in limestone quarry.

It also has

HR) Haul roads.

SP) Stockpiles.

TANKS) Fuel storage tanks

Reported Air Pollutant Emissions, tons per year							
Year	Particulate Matter ≤ Ten Microns (PM-10)	Sulfur Oxides (SO _x)	Nitrogen Oxides (NO _x)	Volatile Organic Compounds (VOC)	Carbon Monoxide (CO)	Lead (Pb)	Hazardous Air Pollutants (HAP)
2004	6.00	0.31	0.88	0.12	0.14	-	-
2003	4.64	0.01	0.40	0.11	0.10	-	-
2002	4.69	1.15	1.73	0.15	0.37	-	-
2001	5.91	0.36	0.87	0.10	0.15	-	-
2000	4.44	0.63	1.13	0.14	0.25	-	-

EMISSION UNITS WITH LIMITATIONS

The following list provides a description of the equipment at this installation which emits air pollutants and which is identified as having unit-specific emission limitations.

Emission Unit #

(Process #)	Description of Emission Unit	Emission Point #
EU0010 through EU0140		
EU0010 (1)	Material feed into surge bin and crusher from barges via crane	EP-02
EU0020 (1)	Front load out of urea storage building	EP-06D
EU0030 (2)	Hopper fed by front loader at bauxite crushing plant	EP-09
EU0040 (3)	Material feed to bin from crane	EP-15

EU0050 (8)	Material dump from truck into hopper at rip-rap plant and grizzly	EP-29, EP-29A
EU0060 (8)	Load oversize stockpile at rip-rap plant	EP-29B
EU0070 (8)	Rip-rap plant conveyors from screen to stockpile and from bin to stockpile	EP-30D, EP-30E
EU0080 (8)	Rip-rap plant drop from screen to bin	EP-30B
EU0090 (9)	Material dump from truck to hopper at limestone crushing plant	EP-31
EU0100 (9)	Limestone plant primary crusher	EP-31A
EU0110 (9)	Limestone plant cone crushers (secondary crushers)	EP-31B
EU0120 (9)	Limestone crushing plant conveyors, conveyor discharges to screen, conveyor discharges into stockpiles, and material discharge into stockpiles	EP-32A – EP-32F, EP-33, EP-36, EP-38
EU0130 (9)	Limestone crushing plant screens	EP-34A – EP-34C
EU0140 (9)	Limestone crushing plant bin feed and discharge conveyors and material discharge onto screen	EP-35A – EP-35F, EP-37
EU0150 through EU0200		
EU0150 (1)	Front load out of bauxite storage bin	EP-06E
EU0160 (7)	Material dump from truck into hopper for material drying system	EP-25
EU0170 (8)	Rip-rap plant conveyors from grizzly to screen	EP-30C
EU0180 (8)	Rip-rap plant screen	EP-30A
EU0190 (10)	Drilling at limestone quarry	EP-46
EU0200 (12)	Open stockpiles	SP-01 – SP-10
EU0210 through EU0370		
EU0210 (1)	Load out conveyor belts transferring bauxite from bins to trucks	EP-06A
EU0220 (1)	Load out conveyor belts transferring bauxite from bins to trucks	EP-06B
EU0230 (1)	Load out conveyor belts transferring bauxite from bins to trucks	EP-06C
EU0240 (2)	Three bauxite crushing plant conveyors	EP-07A, EP-07C, EP-07D
EU0250 (2)	Bauxite crushing plant conveyor	EP-07E
EU0260 (2)	Bauxite crushing plant screen deck	EP-11
EU0270 (2)	Drop to storage bin #6 at bauxite crushing plant	EP-11A
EU0280 (2)	Bauxite crushing plant load out belt from storage bin	EP-12
EU0290 (3)	Load out belt to truck	EP-16
EU0300 (4)	Material dump onto conveyor	EP-17
EU0310 (4)	Conveyor discharge into barge	EP-19
EU0320 (5)	Conveyor (radial stacker)	EP-22
EU0330 (5)	Belt	EP-23
EU0340 (7)	Material drying system conveyor transfer points from hopper to dryer drum	EP-26B

EU0350 (7)	Material drying system conveyor transfer points from dryer drum to dryer building	EP-27A
EU0360 (7)	Material drying system load out belt from dryer bin to truck	EP-28
EU0370 (2)	Two bauxite crushing plant load out belts from surge bin	EP-45
	EU0380 through EU0400	
EU0380 (2)	Bauxite crushing plant conveyor	EP-07B
EU0390 (2)	Jaw crusher with 3 cylinder diesel drive	EP-08
EU0400 (7)	Material drying system conveyor transfer points from hopper to dryer drum	EP-26A
	EU0410 and EU0420	
EU0410 (2)	Bauxite crushing plant conveyor to vertical screen	EP-42
EU0420 (2)	Bauxite crushing plant vertical screen	EP-43
	EU0430	
EU0430 (HR)	Haul roads	HR-01 – HR-05
	EU0440 and EU0450	
EU0440 (1)	Roll crusher drive engine	EP-03B
EU0450 (4)	Conveyor drive engine	EP-18
	EU0460 through EU0480	
EU0460 (2)	Two bauxite crushing plant cone crushers (secondary crushing)	EP-13
EU0470 (7)	Material drying system conveyor transfer points from dryer building to dryer bin	EP-27B
EU0480 (2)	Drop to surge bin at bauxite crushing plant bulk loading	EP-44
	EU0490 and EU0500	
EU0490 (5)	Drop from conveyor into bin #7	EP-22A
EU0500 (5)	Load out via bin chutes	EP-22B
	EU0510	
EU0510 (7)	Dryer drum	EP-27
	EU0520	
EU0520 (1)	Conveying transfer points on conveyors transferring bauxite to storage bins	EP-05A, EP-05B
	EU0530	
EU0530 (1)	Roll crusher (primary crushing)	EP-03A
	EU0540	
EU0540 (1)	Conveying transfer points on conveyors transferring urea and bauxite from surge bin to bulk storage area or to storage bins	EP-04A – EP-04G

EMISSION UNITS WITHOUT LIMITATIONS

The following list provides a description of the equipment that does not have unit specific limitations at the time of permit issuance.

Description of Emission Source

No applicable requirements:

Storage tanks (TANK #01, #08, #09, #14, #15, #17, #19, #22, and #24)

Exhaust from mobile crane (EP-14)

Material discharge into hopper (EP-21)

Exhaust from mobile crane (EP-24)

All other potential emission points in Process 6

Blasting at limestone quarry (EP-47)

No longer in use:

Exhaust from mobile crane (EP-01), because it was replaced by an electric crane

Gyradisc crusher (bauxite crushing plant tertiary crusher (EP-10), because it was removed from service

Insignificant activities:

Combustion emissions from the propulsion of mobile sources, except for vessel emissions from outer continental shelf (OCS) sources

Ventilating units used for human comfort that do not exhaust air pollutants into the ambient air from any manufacturing or other industrial process

Janitorial services and consumer use of janitorial products

Laundry activities, except for dry-cleaning and steam boilers

Bathroom/toilet vent emissions

Plant maintenance and upkeep activities (e.g., grounds keeping, general repairs, cleaning, painting, welding, plumbing, re-tarring roofs, installing insulation, and paving parking lots) provided these activities are not conducted as part of a manufacturing process, are not related to the source's primary business activity, and are not otherwise triggering a permit modification

Repair or maintenance shop activities not related to the source's primary business activity, not including emissions from surface coating or de-greasing (solvent metal cleaning) activities, and are not otherwise triggering a permit modification

Portable electrical generators which can be moved by hand (i.e., that can be moved without the assistance of any motorized or non-motorized vehicle, conveyance, or device)

Air compressors and pneumatically operated equipment, including hand tools

Batteries and battery-charging stations

Drop hammers or hydraulic presses for forging or metal working

Equipment used for quality control/assurance or inspection purposes, including sampling equipment used to withdraw materials for analysis

Hydraulic and hydrostatic testing equipment

Fugitive emissions related to movement of passenger vehicles, provided these activities are incidental to the source's primary business activity

Fire suppression systems

Emergency road flares

DOCUMENTS INCORPORATED BY REFERENCE

These documents have been incorporated by reference into this permit.

- 1) Construction Permit 1292-007, issued December 7, 1992 with special conditions
- 2) Construction Permit 0695-028, issued June 15, 1995 with no special conditions

II. Plant Wide Emission Limitations

The installation shall comply with each of the following emission limitations. Consult the appropriate sections in the Code of Federal Regulations (CFR) and Code of State Regulations (CSR) for the full text of the applicable requirements. All citations, unless otherwise noted, are to the regulations in effect as of the date that this permit is issued.

PERMIT CONDITION PW001

10 CSR 10-6.060 Construction Permits Required
Construction Permit 1292-007, issued December 7, 1992

Emission Limitations:

- 1) Production processing of bauxite at this installation shall not exceed 175,000 tons on a twelve (12) month rolling total.
- 2) Production processing of urea at this installation shall not exceed 16,000 tons on a twelve (12) month rolling total.
- 3) Production processing of ammonium nitrate at this installation shall not exceed 55,000 tons on a twelve (12) month rolling total.

Operational Limitation:

All emission controls proposed in the application for Construction Permit 1292-007, issued December 7, 1992, shall be well maintained and used at any time this facility is in operation.

Monitoring/Recordkeeping:

- 1) Monthly production logs shall be kept on site at all times and will include data for the previous 60 month period. The annual total production should be shown with the last month of the year that the facility operates.
- 2) This information shall be made immediately available for inspection to the Department of Natural Resources' personnel upon verbal request.

Reporting:

- 1) The permittee shall report to the Air Pollution Control Program Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after any of the three emission limitations in this permit condition is exceeded.
- 2) Reports of any deviations from monitoring, recordkeeping and reporting requirements of this permit condition shall be submitted annually, in the annual monitoring report and annual compliance certification, as required by Section V of this permit.

III. Emission Unit Specific Emission Limitations

The installation shall comply with each of the following emission limitations. Consult the appropriate sections in the Code of Federal Regulations (CFR) and Code of State Regulations (CSR) for the full text of the applicable requirements. All citations, unless otherwise noted, are to the regulations in effect as of the date that this permit is issued.

EU0010 THROUGH EU0140			
Emission Unit	Description	Year Installed, Manufacturer, Model	EQ Point #
EU0010	Material feed into surge bin and crusher from barges via crane (Process 1)	1971, Shop-made	EP-02
EU0020	Front load out of urea storage building (Process 1)	March 1982, Shop-made	EP-06D
EU0030	Hopper fed by front loader at bauxite crushing plant (Process 2)	Pre-1980, Shop-made	EP-09
EU0040	Material feed to bin from crane (Process 3)	Pre-1980, Shop-made	EP-15
EU0050	Material dump from truck into hopper at rip-rap plant and grizzly (Process 8)	Pre-1979, Simplicity	EP-29, EP-29A
EU0060	Load oversize stockpile at rip-rap plant (Process 8)	N/A	EP-29B
EU0070	Rip-rap plant conveyors from screen to stockpile and from bin to stockpile (Process 8)	EP-30D: 1976, Shop-made EP-30E: Pre-1980	EP-30D, EP-30E
EU0080	Rip-rap plant drop from screen to bin (Process 8)	Pre-1980, Shop-made	EP-30B
EU0090	Material dump from truck to hopper at limestone crushing plant (Process 9)	1979, Cedarapids C-6224	EP-31
EU0100	Limestone plant primary crusher (Process 9)	May 1979, Universal 4848	EP-31A
EU0110	Limestone plant cone crushers (secondary crushers) (Process 9)	1976 and 1980, Nordberg Symans 5125	EP-31B
EU0120	Limestone crushing plant conveyors, conveyor discharges to screen, conveyor discharges into stockpiles, and material discharge into stockpiles (Process 9)	EP-32A: Pre-1978, Unknown EP-32B: N/A EP-32C: 1972, Peerless EP-32D: Pre-1982, Unknown EP-32E: 1972, Peerless EP-32F: N/A EP-33: N/A EP-36: N/A EP-38: N/A	EP-32A – EP-32F, EP-33, EP-36, EP-38

EU0010 THROUGH EU0140			
Emission Unit	Description	Year Installed, Manufacturer, Model	EQ Point #
EU0130	Limestone crushing plant screens (Process 9)	EP-34A: 1977, Allis Chalmers EP-34B: 1977, Allis Chalmers EP-34C: 1974, Cedarapids	EP-34A – EP-34C
EU0140	Limestone crushing plant bin feed and discharge conveyors and material discharge onto screen (Process 9)	EP-35A: 1972, Peerless EP-35B: 1972, Peerless EP-35C: 1974, Peerless EP-35D: 1972, Peerless EP-35E: 1972, Peerless EP-35F: 1974, Peerless EP-37: N/A	EP-35A – EP-35F, EP-37

PERMIT CONDITION (EU0010 THROUGH EU0140) – 001
10 CSR 10-6.220 Restriction of Emission of Visible Air Contaminants

Emission Limitation:

- 1) No owner or other person shall cause or permit emissions to be discharged into the atmosphere from any new source any visible emissions with an opacity greater than 20%.
New source –any equipment, machine, device, article, contrivance or installation installed in the outstate Missouri area after February 24, 1971.
- 2) Exception: A person may discharge into the atmosphere from any source of emissions for a period(s) aggregating not more than six (6) minutes in any 60 minutes air contaminants with an opacity up to 60%.

Monitoring:

- 1) The permittee shall conduct opacity readings on this emission unit using the procedures contained in Test Method 22 in Appendix A of 40 CFR Part 60. At a minimum, the observer should be trained and knowledgeable about the effects on visibility of emissions caused by background contrast, ambient lighting, observer position relative to lighting, wind and the presence of uncombined water. Readings are only required when the emission unit is operating and when the weather conditions allow. If no visible or other significant emissions are observed using these procedures, then no further observations would be required. For emission units with visible emissions perceived or believed to exceed the applicable opacity standard, the source representative would then conduct an observation using the procedures contained in Test Method 9 in Appendix A of 40 CFR Part 60.
- 2) The following monitoring schedule must be maintained:
 - a) Weekly observations shall be conducted for a minimum of eight consecutive weeks after permit issuance. Should no violation of this regulation be observed during this period then –
 - b) Observations must be made once every two (2) weeks for a period of eight weeks. If a violation is noted, monitoring reverts to weekly. Should no violation of this regulation be observed during this period then –
 - c) Observations must be made once per month. If a violation is noted, monitoring reverts to weekly.

If the source reverts to weekly monitoring at any time, monitoring frequency will progress in an identical manner from the initial monitoring frequency.

Recordkeeping:

- 1) The permittee shall maintain records of all Method 22 observation results (See Attachment B1 or B2.), noting:
 - a) Whether any air emissions (except for water vapor) were visible from the emission units,
 - b) All emission units from which visible emissions occurred, and
 - c) Whether the visible emissions were normal for the process.
- 2) The permittee shall maintain records of any equipment malfunctions. (See Attachment A.)
- 3) The permittee shall maintain records of any Method 9 test performed in accordance with this permit condition. (See Attachment C.)
- 4) Attachments B1 or B2, A, and C contain logs satisfying these recordkeeping requirements. These logs, or equivalents created by the permittee, must be used to certify compliance with this requirement.
- 5) These records shall be maintained for five years. They must be maintained on-site for two years. They may be kept in either written or electronic form.
- 6) These records shall be made available immediately for inspection to Department of Natural Resources personnel upon request.

Reporting:

- 1) The permittee shall report to the Air Pollution Control Program Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after the permittee determines, using the Method 9 test, that the emission unit(s) exceeded the opacity limit.
- 2) Reports of any deviations from monitoring, recordkeeping and reporting requirements of this permit condition shall be submitted annually, in the annual monitoring report and annual compliance certification, as required by Section V of this permit.

EU0150 THROUGH EU0200			
Emission Unit	Description	Year Installed, Manufacturer Model	EQ Point #
EU0150	Front load-out of bauxite storage bin (Process 1)	1964, OF&I Steel	EP-06E
EU0160	Material dump from truck into hopper for material drying system (Process 7)	1962, Cedarapids	EP-25
EU0170	Rip-rap plant conveyors from grizzly to screen (Process 8)	1961, Nico FD4165	EP-30C
EU0180	Rip-rap plant screen (Process 8)	1965, Tyler F900	EP-30A
EU0190	Drilling at limestone quarry (Process 10)	N/A	EP-46
EU0200	Open stockpiles (SP)	N/A	SP-01 – SP-10

PERMIT CONDITION (EU0150 THROUGH EU0200) – 001

10 CSR 10-6.220 Restriction of Emission of Visible Air Contaminants

Emission Limitation:

- 1) No owner or other person shall cause or permit emissions to be discharged into the atmosphere from any existing source any visible emissions with an opacity greater than 40%.
Existing source – any equipment, machine, device, article, contrivance or installation installed or in construction in the outstate Missouri area on February 24, 1971. Exception: If the source is altered, repaired, or rebuilt at a cost of fifty percent (50%) or more of its replacement cost exclusive of routine maintenance, it shall no longer be existing, but shall be considered new as defined in this regulation.
- 2) Exception: A person may discharge into the atmosphere from any source of emissions for a period(s) aggregating not more than six (6) minutes in any 60 minutes air contaminants with an opacity up to 60%.

Monitoring:

- 1) The permittee shall conduct opacity readings on this emission unit using the procedures contained in Test Method 22 in Appendix A of 40 CFR Part 60. At a minimum, the observer should be trained and knowledgeable about the effects on visibility of emissions caused by background contrast, ambient lighting, observer position relative to lighting, wind and the presence of uncombined water. Readings are only required when the emission unit is operating and when the weather conditions allow. If no visible or other significant emissions are observed using these procedures, then no further observations would be required. For emission units with visible emissions perceived or believed to exceed the applicable opacity standard, the source representative would then conduct an observation using the procedures contained in Test Method 9 in Appendix A of 40 CFR Part 60.
- 2) The following monitoring schedule must be maintained:
 - a) Weekly observations shall be conducted for a minimum of eight consecutive weeks after permit issuance. Should no violation of this regulation be observed during this period then –
 - b) Observations must be made once every two (2) weeks for a period of eight weeks. If a violation is noted, monitoring reverts to weekly. Should no violation of this regulation be observed during this period then –
 - c) Observations must be made once per month. If a violation is noted, monitoring reverts to weekly.If the source reverts to weekly monitoring at any time, monitoring frequency will progress in an identical manner from the initial monitoring frequency.

Recordkeeping:

- 1) The permittee shall maintain records of all Method 22 observation results (See Attachment B1 or B2.), noting:
 - a) Whether any air emissions (except for water vapor) were visible from the emission units,
 - b) All emission units from which visible emissions occurred, and
 - c) Whether the visible emissions were normal for the process.
- 2) The permittee shall maintain records of any equipment malfunctions. (See Attachment A.)
- 3) The permittee shall maintain records of any Method 9 test performed in accordance with this permit condition. (See Attachment C.)
- 4) Attachments B1 or B2, A, and C contain logs satisfying these recordkeeping requirements. These logs, or equivalents created by the permittee, must be used to certify compliance with this requirement.
- 5) These records shall be maintained for five years. They must be maintained on-site for two years. They may be kept in either written or electronic form.

- 6) These records shall be made available immediately for inspection to Department of Natural Resources personnel upon request.

Reporting:

- 1) The permittee shall report to the Air Pollution Control Program Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after the permittee determines, using the Method 9 test, that the emission unit(s) exceeded the opacity limit.
- 2) Reports of any deviations from monitoring, recordkeeping and reporting requirements of this permit condition shall be submitted annually, in the annual monitoring report and annual compliance certification, as required by Section V of this permit.

EU0210 THROUGH EU0370			
Emission Unit	Description	Year Installed, Manufacturer Model	EQ Point #
EU0210	Load out conveyor belt transferring bauxite from bins to trucks (Process 1)	1985, Shop-made	EP-06A
EU0220	Load out conveyor belt transferring bauxite from bins to trucks (Process 1)	1986, Shop-made	EP-06B
EU0230	Load out conveyor belt transferring bauxite from bins to trucks (Process 1)	1986, Shop-made	EP-06C
EU0240	Three bauxite crushing plant conveyors (Process 2)	EP-07A: pre-1977, Peerless EP-07C: pre-1977, Shop-made EP-07D: pre-1977, Peerless	EP-07A, EP-07C, EP-07D
EU0250	Bauxite crushing plant conveyor (Process 2)	Pre-1977, Shop-made	EP-07E
EU0260	Bauxite crushing plant screen deck (Process 2)	1977, El Jay, Model F5G6202	EP-11
EU0270	Drop to storage bin #6 at bauxite crushing plant (Process 2)	1980, Unknown	EP-11A
EU0280	Bauxite crushing plant load out belt from storage bin (Process 2)	1980, Shop-made	EP-12
EU0290	Load out belt to truck (Process 3)	Pre-1980, Shop-made	EP-16
EU0300	Material dump onto conveyor (Process 4)	Pre-1980, Kolman Roughloader, Model 404	EP-17
EU0310	Conveyor discharge into barge (Process 4)	Pre-1980, Kolman Roughloader, Model 404	EP-19
EU0320	Conveyor (radial stacker) (Process 5)	1975, Kolberg Model 636-120	EP-22
EU0330	Belt (Process 5)	Pre-1980, Shop-made. 36-inches wide	EP-23
EU0340	Material drying system conveyor transfer points from hopper to dryer drum (Process 7)	1979, Shop-made	EP-26B

EU0350	Material drying system conveyor transfer points from dryer drum to dryer building (Process 7)	1981, Shop-made	EP-27A
EU0360	Material drying system load out belt from dryer bin to truck (Process 7)	1989, Home-made, 30 inches wide, replaced 1982 belt	EP-28
EU0370	Two bauxite crushing plant load out belts from surge bin (Process 2)	Pre-1990, Shop-made	EP-45

PERMIT CONDITION (EU0210 THROUGH EU0370) – 001

10 CSR 10-6.220 Restriction of Emission of Visible Air Contaminants

Emission Limitation:

- 1) No owner or other person shall cause or permit emissions to be discharged into the atmosphere from any new source any visible emissions with an opacity greater than 20%.
New source –any equipment, machine, device, article, contrivance or installation installed in the outstate Missouri area after February 24, 1971.
- 2) Exception: A person may discharge into the atmosphere from any source of emissions for a period(s) aggregating not more than six (6) minutes in any 60 minutes air contaminants with an opacity up to 60%.

Monitoring:

- 1) The permittee shall conduct opacity readings on this emission unit using the procedures contained in Test Method 22 in Appendix A of 40 CFR Part 60. At a minimum, the observer should be trained and knowledgeable about the effects on visibility of emissions caused by background contrast, ambient lighting, observer position relative to lighting, wind and the presence of uncombined water. Readings are only required when the emission unit is operating and when the weather conditions allow. If no visible or other significant emissions are observed using these procedures, then no further observations would be required. For emission units with visible emissions perceived or believed to exceed the applicable opacity standard, the source representative would then conduct an observation using the procedures contained in Test Method 9 in Appendix A of 40 CFR Part 60.
- 2) The following monitoring schedule must be maintained:
 - a) Weekly observations shall be conducted for a minimum of eight consecutive weeks after permit issuance. Should no violation of this regulation be observed during this period then –
 - b) Observations must be made once every two (2) weeks for a period of eight weeks. If a violation is noted, monitoring reverts to weekly. Should no violation of this regulation be observed during this period then –
 - c) Observations must be made once per month. If a violation is noted, monitoring reverts to weekly.

If the source reverts to weekly monitoring at any time, monitoring frequency will progress in an identical manner from the initial monitoring frequency.

Recordkeeping:

- 1) The permittee shall maintain records of all Method 22 observation results (See Attachment B1 or B2.), noting:
 - a) Whether any air emissions (except for water vapor) were visible from the emission units,
 - b) All emission units from which visible emissions occurred, and

- c) Whether the visible emissions were normal for the process.
- 2) The permittee shall maintain records of any equipment malfunctions. (See Attachment A.)
- 3) The permittee shall maintain records of any Method 9 test performed in accordance with this permit condition. (See Attachment C.)
- 4) Attachments B1 or B2, A, and C contain logs satisfying these recordkeeping requirements. These logs, or equivalents created by the permittee, must be used to certify compliance with this requirement.
- 5) These records shall be maintained for five years. They must be maintained on-site for two years. They may be kept in either written or electronic form.
- 6) These records shall be made available immediately for inspection to Department of Natural Resources personnel upon request.

Reporting:

- 1) The permittee shall report to the Air Pollution Control Program Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after the permittee determines, using the Method 9 test, that the emission unit(s) exceeded the opacity limit.
- 2) Reports of any deviations from monitoring, recordkeeping and reporting requirements of this permit condition shall be submitted annually, in the annual monitoring report and annual compliance certification, as required by Section V of this permit.

EU0380 THROUGH EU0400			
Emission Unit	Description	Year Installed, Manufacturer Model	EQ Point #
EU0380	Bauxite crushing plant conveyor (Process 2)	1950, Cedarapids	EP-07B
EU0390	Jaw crusher with 3 cylinder diesel drive (Process 2)	1950, Cedarapids Model 22X25	EP-08
EU0400	Material drying system conveyor transfer points from hopper to dryer drum (Process 7)	1962, Cedarapids	EP-26A

PERMIT CONDITION (EU0380 THROUGH EU0400) – 001
10 CSR 10-6.220 Restriction of Emission of Visible Air Contaminants

Emission Limitation:

- 1) No owner or other person shall cause or permit emissions to be discharged into the atmosphere from any existing source any visible emissions with an opacity greater than 40%.
Existing source – any equipment, machine, device, article, contrivance or installation installed or in construction in the outstate Missouri area on February 24, 1971. Exception: If the source is altered, repaired, or rebuilt at a cost of fifty percent (50%) or more of its replacement cost exclusive of routine maintenance, it shall no longer be existing, but shall be considered new as defined in this regulation.
- 2) Exception: A person may discharge into the atmosphere from any source of emissions for a period(s) aggregating not more than six (6) minutes in any 60 minutes air contaminants with an opacity up to 60%.

Monitoring:

- 1) The permittee shall conduct opacity readings on this emission unit using the procedures contained in Test Method 22 in Appendix A of 40 CFR Part 60. At a minimum, the observer should be trained and knowledgeable about the effects on visibility of emissions caused by background contrast, ambient lighting, observer position relative to lighting, wind and the presence of uncombined water. Readings are only required when the emission unit is operating and when the weather conditions allow. If no visible or other significant emissions are observed using these procedures, then no further observations would be required. For emission units with visible emissions perceived or believed to exceed the applicable opacity standard, the source representative would then conduct an observation using the procedures contained in Test Method 9 in Appendix A of 40 CFR Part 60.
- 2) The following monitoring schedule must be maintained:
 - a) Weekly observations shall be conducted for a minimum of eight consecutive weeks after permit issuance. Should no violation of this regulation be observed during this period then –
 - b) Observations must be made once every two (2) weeks for a period of eight weeks. If a violation is noted, monitoring reverts to weekly. Should no violation of this regulation be observed during this period then –
 - c) Observations must be made once per month. If a violation is noted, monitoring reverts to weekly.

If the source reverts to weekly monitoring at any time, monitoring frequency will progress in an identical manner from the initial monitoring frequency.

Recordkeeping:

- 1) The permittee shall maintain records of all Method 22 observation results (See Attachment B1 or B2.), noting:
 - a) Whether any air emissions (except for water vapor) were visible from the emission units,
 - b) All emission units from which visible emissions occurred, and
 - c) Whether the visible emissions were normal for the process.
- 2) The permittee shall maintain records of any equipment malfunctions. (See Attachment A.)
- 3) The permittee shall maintain records of any Method 9 test performed in accordance with this permit condition. (See Attachment C.)
- 4) Attachments B1 or B2, A, and C contain logs satisfying these recordkeeping requirements. These logs, or equivalents created by the permittee, must be used to certify compliance with this requirement.
- 5) These records shall be maintained for five years. They must be maintained on-site for two years. They may be kept in either written or electronic form.
- 6) These records shall be made available immediately for inspection to Department of Natural Resources personnel upon request.

Reporting:

- 1) The permittee shall report to the Air Pollution Control Program Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after the permittee determines, using the Method 9 test, that the emission unit(s) exceeded the opacity limit.
- 2) Reports of any deviations from monitoring, recordkeeping and reporting requirements of this permit condition shall be submitted annually, in the annual monitoring report and annual compliance certification, as required by Section V of this permit.

EU0410 AND EU0420			
Emission Unit	Description	Year Installed, Manufacturer Model	EIQ Point #
EU0410	Bauxite crushing plant conveyor to vertical screen (Process 2)	Feb. 1969, Kolberg 130-70	EP-42
EU0420	Bauxite crushing plant vertical screen (Process 2)	1961,1966, Nordberg	EP-43

PERMIT CONDITION (EU0410 AND EU0420) – 001

10 CSR 10-6.060 Construction Permits Required
Construction Permit 1292-007, issued December 7, 1992

Emission Limitation:

Production processing of bauxite at this installation shall not exceed 175,000 tons on a twelve (12) month rolling total.

Monitoring/Recordkeeping/Reporting:

The monitoring, recordkeeping, and reporting done to demonstrate compliance with plant wide Permit Condition PW001 also suffices to demonstrate compliance with this permit condition.

PERMIT CONDITION (EU0410 AND EU0420) – 002

10 CSR 10-6.220 Restriction of Emission of Visible Air Contaminants

Emission Limitation:

- 1) No owner or other person shall cause or permit emissions to be discharged into the atmosphere from any existing source any visible emissions with an opacity greater than 40%.
Existing source – any equipment, machine, device, article, contrivance or installation installed or in construction in the outstate Missouri area on February 24, 1971. Exception: If the source is altered, repaired, or rebuilt at a cost of fifty percent (50%) or more of its replacement cost exclusive of routine maintenance, it shall no longer be existing, but shall be considered new as defined in this regulation.
- 2) Exception: A person may discharge into the atmosphere from any source of emissions for a period(s) aggregating not more than six (6) minutes in any 60 minutes air contaminants with an opacity up to 60%.

Monitoring:

- 1) The permittee shall conduct opacity readings on this emission unit using the procedures contained in Test Method 22 in Appendix A of 40 CFR Part 60. At a minimum, the observer should be trained and knowledgeable about the effects on visibility of emissions caused by background contrast, ambient lighting, observer position relative to lighting, wind and the presence of uncombined water. Readings are only required when the emission unit is operating and when the weather conditions allow. If no visible or other significant emissions are observed using these procedures, then no further observations would be required. For emission units with visible emissions perceived or believed to exceed the applicable opacity standard, the source representative would then conduct an observation using the procedures contained in Test Method 9 in Appendix A of 40 CFR Part 60.
- 2) The following monitoring schedule must be maintained:

- a) Weekly observations shall be conducted for a minimum of eight consecutive weeks after permit issuance. Should no violation of this regulation be observed during this period then –
- b) Observations must be made once every two (2) weeks for a period of eight weeks. If a violation is noted, monitoring reverts to weekly. Should no violation of this regulation be observed during this period then –
- c) Observations must be made once per month. If a violation is noted, monitoring reverts to weekly.

If the source reverts to weekly monitoring at any time, monitoring frequency will progress in an identical manner from the initial monitoring frequency.

Recordkeeping:

- 1) The permittee shall maintain records of all Method 22 observation results (See Attachment B1 or B2.), noting:
 - a) Whether any air emissions (except for water vapor) were visible from the emission units,
 - b) All emission units from which visible emissions occurred, and
 - c) Whether the visible emissions were normal for the process.
- 2) The permittee shall maintain records of any equipment malfunctions. (See Attachment A.)
- 3) The permittee shall maintain records of any Method 9 test performed in accordance with this permit condition. (See Attachment C.)
- 4) Attachments B1 or B2, A, and C contain logs satisfying these recordkeeping requirements. These logs, or equivalents created by the permittee, must be used to certify compliance with this requirement.
- 5) These records shall be maintained for five years. They must be maintained on-site for two years. They may be kept in either written or electronic form.
- 6) These records shall be made available immediately for inspection to Department of Natural Resources personnel upon request.

Reporting:

- 1) The permittee shall report to the Air Pollution Control Program Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after the permittee determines, using the Method 9 test, that the emission unit(s) exceeded the opacity limit.
- 2) Reports of any deviations from monitoring, recordkeeping and reporting requirements of this permit condition shall be submitted annually, in the annual monitoring report and annual compliance certification, as required by Section V of this permit.

EU0430		
Emission Unit	Description	EQ Point #
EU0430	Haul roads	HR-01 – HR-05

PERMIT CONDITION EU0430 – 001

10 CSR 10-6.060 Construction Permits Required
Construction Permit 1292-007, issued December 7, 1992

Operational Limitation:

Haul roads shall be watered whenever the vehicular traffic on the road is capable of producing visible emissions off the haul road.

Monitoring/Recordkeeping/Reporting:

Missouri Department of Natural Resources personnel may inspect the facility at any time to determine compliance with this operational limitation.

PERMIT CONDITION EU0430 – 002

10 CSR 10-6.220 Restriction of Emission of Visible Air Contaminants

Emission Limitation:

- 1) No owner or other person shall cause or permit emissions to be discharged into the atmosphere from any existing source any visible emissions with an opacity greater than 40%.
Existing source – any equipment, machine, device, article, contrivance or installation installed or in construction in the outstate Missouri area on February 24, 1971. Exception: If the source is altered, repaired, or rebuilt at a cost of fifty percent (50%) or more of its replacement cost exclusive of routine maintenance, it shall no longer be existing, but shall be considered new as defined in this regulation.
- 2) Exception: A person may discharge into the atmosphere from any source of emissions for a period(s) aggregating not more than six (6) minutes in any 60 minutes air contaminants with an opacity up to 60%.

Monitoring:

- 1) The permittee shall conduct opacity readings on this emission unit using the procedures contained in Test Method 22 in Appendix A of 40 CFR Part 60. At a minimum, the observer should be trained and knowledgeable about the effects on visibility of emissions caused by background contrast, ambient lighting, observer position relative to lighting, wind and the presence of uncombined water. Readings are only required when the emission unit is operating and when the weather conditions allow. If no visible or other significant emissions are observed using these procedures, then no further observations would be required. For emission units with visible emissions perceived or believed to exceed the applicable opacity standard, the source representative would then conduct an observation using the procedures contained in Test Method 9 in Appendix A of 40 CFR Part 60.
- 2) The following monitoring schedule must be maintained:
 - a) Weekly observations shall be conducted for a minimum of eight consecutive weeks after permit issuance. Should no violation of this regulation be observed during this period then –
 - b) Observations must be made once every two (2) weeks for a period of eight weeks. If a violation is noted, monitoring reverts to weekly. Should no violation of this regulation be observed during this period then –
 - c) Observations must be made once per month. If a violation is noted, monitoring reverts to weekly.

If the source reverts to weekly monitoring at any time, monitoring frequency will progress in an identical manner from the initial monitoring frequency.

Recordkeeping:

- 1) The permittee shall maintain records of all Method 22 observation results (See Attachment B1 or B2.), noting:

- a) Whether any air emissions (except for water vapor) were visible from the emission units,
 - b) All emission units from which visible emissions occurred, and
 - c) Whether the visible emissions were normal for the process.
- 2) The permittee shall maintain records of any Method 9 test performed in accordance with this permit condition. (See Attachment C.)
 - 3) Attachments B1 or B2, A, and C contain logs satisfying these recordkeeping requirements. These logs, or equivalents created by the permittee, must be used to certify compliance with this requirement.
 - 4) These records shall be maintained for five years. They must be maintained on-site for two years. They may be kept in either written or electronic form.
 - 5) These records shall be made available immediately for inspection to Department of Natural Resources personnel upon request.

Reporting:

- 1) The permittee shall report to the Air Pollution Control Program Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after the permittee determines, using the Method 9 test, that the emission unit(s) exceeded the opacity limit.
- 2) Reports of any deviations from monitoring, recordkeeping and reporting requirements of this permit condition shall be submitted annually, in the annual monitoring report and annual compliance certification, as required by Section V of this permit.

EU0440 AND EU0450			
Emission Unit	Description	Year Installed, Manufacturer Model	EQ Point #
EU0440	Roll crusher drive engine (Process 1)	1978, Detroit 3-71	EP-03B
EU0450	Conveyor drive engine (Process 4)	Pre-1980, Detroit 6-71	EP-18

PERMIT CONDITION (EU0440 AND EU0450) – 001
10 CSR 10-6.260 Restriction of Emission of Sulfur Compounds

Emission Limitation:

- 1) Emissions from any new source operation shall not contain more than five hundred parts per million by volume (500 ppmv) of sulfur dioxide.

Operational Limitation/Equipment Specifications:

The emission unit shall be limited to fuel with a sulfur content of no more than 0.5% sulfur by weight.

Monitoring:

- 1) The permittee shall maintain an accurate record of the sulfur content of fuel used. The installation shall maintain records of the amount of fuel burned and verify the sulfur content. Fuel purchase receipts, analyzed samples or certifications that verify the fuel type and sulfur content will be acceptable.

Recordkeeping:

- 1) The permittee shall maintain records on the premises of the analysis of all fuel used which shows weight percentage of sulfur in the fuel. Fuel purchase receipts, analyzed samples or certifications that verify the fuel type and sulfur content will be acceptable.
- 1) Attachment E contains calculations of estimated sulfur dioxide emissions from diesel fuel combustion that demonstrate that these emission units will always be in compliance with this requirement.
- 2) These records shall be made available immediately for inspection to the Department of Natural Resources' personnel upon request.
- 3) All records shall be maintained for five years.

Reporting:

The permittee shall report to the Air Pollution Control Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after any exceedance of the emission limit or sulfur content limit established by 10 CSR 10-6.260, or any malfunction which causes an exceedance.

EU0460 THROUGH EU0480			
Emission Unit	Description	Year Installed, Manufacturer Model	EIQ Point #
EU0460	Two bauxite crushing plant cone crushers (secondary crushing) (Process 2)	1986 and 1988, El Jay RC54FH	EP-13
EU0470	Material drying system conveyor transfer points from dryer building to dryer bin (Process 7)	1989, Unknown	EP-27B
EU0480	Drop to surge bin at bauxite crushing plant bulk loading (Process 2)	Unknown date, Shop-made	EP-44

PERMIT CONDITION (EU0460 THROUGH EU0480) – 001

10 CSR 10-6.060 Construction Permits Required
Construction Permit 1292-007, issued December 7, 1992

Emission Limitation:

Production processing of bauxite at this installation shall not exceed 175,000 tons per on a twelve (12) month rolling total.

Monitoring/Recordkeeping/Reporting:

The monitoring, recordkeeping, and reporting done to demonstrate compliance with plant-wide Permit Condition PW001 also suffice to demonstrate compliance with this permit condition.

PERMIT CONDITION (EU0460 THROUGH EU0480) – 002

10 CSR 10-6.220 Restriction of Emission of Visible Air Contaminants

Emission Limitation:

- 1) No owner or other person shall cause or permit emissions to be discharged into the atmosphere from any new source any visible emissions with opacity greater than 20%.

New source – any equipment, machine, device, article, contrivance or installation installed in the outstate Missouri area after February 24, 1971.

- 2) Exception: A person may discharge into the atmosphere from any source of emissions for a period(s) aggregating not more than six (6) minutes in any 60 minutes air contaminants with an opacity up to 60%.

Monitoring:

- 1) The permittee shall conduct opacity readings on this emission unit using the procedures contained in Test Method 22 in Appendix A of 40 CFR Part 60. At a minimum, the observer should be trained and knowledgeable about the effects on visibility of emissions caused by background contrast, ambient lighting, observer position relative to lighting, wind and the presence of uncombined water. Readings are only required when the emission unit is operating and when the weather conditions allow. If no visible or other significant emissions are observed using these procedures, then no further observations would be required. For emission units with visible emissions perceived or believed to exceed the applicable opacity standard, the source representative would then conduct an observation using the procedures contained in Test Method 9 in Appendix A of 40 CFR Part 60.
- 2) The following monitoring schedule must be maintained:
 - a) Weekly observations shall be conducted for a minimum of eight consecutive weeks after permit issuance. Should no violation of this regulation be observed during this period then –
 - b) Observations must be made once every two (2) weeks for a period of eight weeks. If a violation is noted, monitoring reverts to weekly. Should no violation of this regulation be observed during this period then –
 - c) Observations must be made once per month. If a violation is noted, monitoring reverts to weekly.

If the source reverts to weekly monitoring at any time, monitoring frequency will progress in an identical manner from the initial monitoring frequency.

Recordkeeping:

- 1) The permittee shall maintain records of all Method 22 observation results (See Attachment B1 or B2.), noting:
 - a) Whether any air emissions (except for water vapor) were visible from the emission units,
 - b) All emission units from which visible emissions occurred, and
 - c) Whether the visible emissions were normal for the process.
- 2) The permittee shall maintain records of any equipment malfunctions. (See Attachment A.)
- 3) The permittee shall maintain records of any Method 9 test performed in accordance with this permit condition. (See Attachment C.)
- 4) Attachments B1 or B2, A, and C contain logs satisfying these recordkeeping requirements. These logs, or equivalents created by the permittee, must be used to certify compliance with this requirement.
- 5) These records shall be maintained for five years. They must be maintained on-site for two years. They may be kept in either written or electronic form.
- 6) These records shall be made available immediately for inspection to Department of Natural Resources personnel upon request.

Reporting:

- 1) The permittee shall report to the Air Pollution Control Program Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after the permittee determines, using the Method 9 test, that the emission unit(s) exceeded the opacity limit.
- 2) Reports of any deviations from monitoring, recordkeeping and reporting requirements of this permit condition shall be submitted annually, in the annual monitoring report and annual compliance certification, as required by Section V of this permit.

EU0490 AND EU0500			
Emission Unit	Description	Year Installed, Manufacturer Model	EQ Point #
EU0490	Drop from conveyor into bin # 7 (Process 5)	Pre-1976, Pittsburg-McNally	EP-22A
EU0500	Load out via bin chutes (Process 5)	Pre-1990, Unknown	EP-22B

PERMIT CONDITION (EU0490 AND EU0500) – 001

10 CSR 10-6.060 Construction Permits Required
Construction Permit 1292-007, issued December 7, 1992

Operational Limitation:

All emission controls proposed in the application for Construction Permit 1292-007, issued December 7, 1992, shall be well maintained and used at any time this facility is in operation. Particulate emissions will be controlled by spray bar and/or enclosures at material transfer points and conveyors. An air filter will control particulate emissions during bauxite crushing and screening.

Monitoring/Recordkeeping/Reporting:

Missouri Department of Natural Resources personnel may inspect the facility at any time to determine compliance with this operational limitation.

PERMIT CONDITION (EU0490 AND EU0500) – 002

10 CSR 10-6.220 Restriction of Emission of Visible Air Contaminants

Emission Limitation:

- 1) No owner or other person shall cause or permit emissions to be discharged into the atmosphere from any new source any visible emissions with an opacity greater than 20%.
New source –any equipment, machine, device, article, contrivance or installation installed in the outstate Missouri area after February 24, 1971.
- 2) Exception: A person may discharge into the atmosphere from any source of emissions for a period(s) aggregating not more than six (6) minutes in any 60 minutes air contaminants with an opacity up to 60%.

Monitoring:

- 1) The permittee shall conduct opacity readings on this emission unit using the procedures contained in Test Method 22 in Appendix A of 40 CFR Part 60. At a minimum, the observer should be trained and knowledgeable about the effects on visibility of emissions caused by background contrast, ambient lighting, observer position relative to lighting, wind and the presence of uncombined water.

Readings are only required when the emission unit is operating and when the weather conditions allow. If no visible or other significant emissions are observed using these procedures, then no further observations would be required. For emission units with visible emissions perceived or believed to exceed the applicable opacity standard, the source representative would then conduct an observation using the procedures contained in Test Method 9 in Appendix A of 40 CFR Part 60.

- 2) The following monitoring schedule must be maintained:
 - a) Weekly observations shall be conducted for a minimum of eight consecutive weeks after permit issuance. Should no violation of this regulation be observed during this period then –
 - b) Observations must be made once every two (2) weeks for a period of eight weeks. If a violation is noted, monitoring reverts to weekly. Should no violation of this regulation be observed during this period then –
 - c) Observations must be made once per month. If a violation is noted, monitoring reverts to weekly.

If the source reverts to weekly monitoring at any time, monitoring frequency will progress in an identical manner from the initial monitoring frequency.

Recordkeeping:

- 1) The permittee shall maintain records of all Method 22 observation results (See Attachment B1 or B2.), noting:
 - a) Whether any air emissions (except for water vapor) were visible from the emission units,
 - b) All emission units from which visible emissions occurred, and
 - c) Whether the visible emissions were normal for the process.
- 2) The permittee shall maintain records of any equipment malfunctions. (See Attachment A.)
- 3) The permittee shall maintain records of any Method 9 test performed in accordance with this permit condition. (See Attachment C.)
- 4) Attachments B1 or B2, A, and C contain logs satisfying these recordkeeping requirements. These logs, or equivalents created by the permittee, must be used to certify compliance with this requirement.
- 5) These records shall be maintained for five years. They must be maintained on-site for two years. They may be kept in either written or electronic form.
- 6) These records shall be made available immediately for inspection to Department of Natural Resources personnel upon request.

Reporting:

- 1) The permittee shall report to the Air Pollution Control Program Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after the permittee determines, using the Method 9 test, that the emission unit(s) exceeded the opacity limit.
- 2) Reports of any deviations from monitoring, recordkeeping and reporting requirements of this permit condition shall be submitted annually, in the annual monitoring report and annual compliance certification, as required by Section V of this permit.

EU0510			
Emission Unit	Description	Year Installed, Manufacturer Model	EIQ Point #
EU0510	Dryer drum (Process 7)	Sep. 1967, Barber-Greene DA60	EP-27

PERMIT CONDITION EU0510 – 001

10 CSR 10-6.220 Restriction of Emission of Visible Air Contaminants

Emission Limitation:

- 1) No owner or other person shall cause or permit emissions to be discharged into the atmosphere from any existing source any visible emissions with an opacity greater than 40%.
Existing source – any equipment, machine, device, article, contrivance or installation installed or in construction in the outstate Missouri area on February 24, 1971. Exception: If the source is altered, repaired, or rebuilt at a cost of fifty percent (50%) or more of its replacement cost exclusive of routine maintenance, it shall no longer be existing, but shall be considered new as defined in this regulation.
- 2) Exception: A person may discharge into the atmosphere from any source of emissions for a period(s) aggregating not more than six (6) minutes in any 60 minutes air contaminants with an opacity up to 60%.

Monitoring:

- 1) The permittee shall conduct opacity readings on this emission unit using the procedures contained in Test Method 22 in Appendix A of 40 CFR Part 60. At a minimum, the observer should be trained and knowledgeable about the effects on visibility of emissions caused by background contrast, ambient lighting, observer position relative to lighting, wind and the presence of uncombined water. Readings are only required when the emission unit is operating and when the weather conditions allow. If no visible or other significant emissions are observed using these procedures, then no further observations would be required. For emission units with visible emissions perceived or believed to exceed the applicable opacity standard, the source representative would then conduct an observation using the procedures contained in Test Method 9 in Appendix A of 40 CFR Part 60.
- 2) The following monitoring schedule must be maintained:
 - a) Weekly observations shall be conducted for a minimum of eight consecutive weeks after permit issuance. Should no violation of this regulation be observed during this period then –
 - b) Observations must be made once every two (2) weeks for a period of eight weeks. If a violation is noted, monitoring reverts to weekly. Should no violation of this regulation be observed during this period then –
 - c) Observations must be made once per month. If a violation is noted, monitoring reverts to weekly.

If the source reverts to weekly monitoring at any time, monitoring frequency will progress in an identical manner from the initial monitoring frequency.

Recordkeeping:

- 1) The permittee shall maintain records of all Method 22 observation results (See Attachment B1 or B2.), noting:
 - a) Whether any air emissions (except for water vapor) were visible from the emission units,
 - b) All emission units from which visible emissions occurred, and
 - c) Whether the visible emissions were normal for the process.
- 2) The permittee shall maintain records of any equipment malfunctions. (See Attachment A.)
- 3) The permittee shall maintain records of any Method 9 test performed in accordance with this permit condition. (See Attachment C.)

- 4) Attachments B1 or B2, A, and C contain logs satisfying these recordkeeping requirements. These logs, or equivalents created by the permittee, must be used to certify compliance with this requirement.
- 5) These records shall be maintained for five years. They must be maintained on-site for two years. They may be kept in either written or electronic form.
- 6) These records shall be made available immediately for inspection to Department of Natural Resources personnel upon request.

Reporting:

- 1) The permittee shall report to the Air Pollution Control Program Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after the permittee determines, using the Method 9 test, that the emission unit(s) exceeded the opacity limit.
- 2) Reports of any deviations from monitoring, recordkeeping and reporting requirements of this permit condition shall be submitted annually, in the annual monitoring report and annual compliance certification, as required by Section V of this permit.

PERMIT CONDITION EU0510 – 002

10 CSR 10-6.260 Restriction of Emission of Sulfur Compounds

Emission Limitation:

- 1) Emissions from any existing source operation shall not contain more than two thousand parts per million by volume (2000 ppmv) of sulfur dioxide.

Operational Limitation/Equipment Specifications:

The emission unit shall be limited to fuel with a sulfur content of no more than 0.5% sulfur by weight.

Monitoring:

- 1) The permittee shall maintain an accurate record of the sulfur content of fuel used. The installation shall maintain records of the amount of fuel burned and verify the sulfur content. Fuel purchase receipts, analyzed samples or certifications that verify the fuel type and sulfur content will be acceptable.

Recordkeeping:

- 1) The permittee shall maintain records on the premises of the analysis of all fuel used which shows weight percentage of sulfur in the fuel. Fuel purchase receipts, analyzed samples or certifications that verify the fuel type and sulfur content will be acceptable.
- 2) Attachment F contains calculations of estimated sulfur dioxide emissions from dryer fuel oil combustion that demonstrate that this emission unit will always be in compliance with this emission limit.
- 3) These records shall be made available immediately for inspection to the Department of Natural Resources' personnel upon request.
- 4) All records shall be maintained for five years.

Reporting:

The permittee shall report to the Air Pollution Control Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after any exceedance of the emission limit or sulfur content limit established by 10 CSR 10-6.260, or any malfunction which causes an exceedance.

EU0520			
Emission Unit	Description	Year Installed, Manufacturer Model	EQ Point #
EU0520	Conveying transfer points on conveyors transferring bauxite to storage bins (Process 1)	1965, Unknown	EP-05A and EP-05B

PERMIT CONDITION EU0520 – 001

10 CSR 10-6.060 Construction Permits Required
Construction Permit 1292-007, issued December 7, 1992

Emission Limitation:

Production processing of bauxite at this installation shall not exceed 175,000 tons per on a twelve (12) month rolling total.

Operational Limitation:

All emission controls proposed in the application for Construction Permit 1292-007, issued December 7, 1992, shall be well maintained and used at any time this facility is in operation. Particulate emissions will be controlled by spray bar and/or enclosures at material transfer points and conveyors. An air filter will control particulate emissions during bauxite crushing and screening.

Monitoring/Recordkeeping/Reporting:

- 1) The monitoring, recordkeeping, and reporting done to demonstrate compliance with plant wide Permit Condition PW001 also suffice to demonstrate compliance with the emission limitation in this permit condition.
- 2) Missouri Department of Natural Resources personnel may inspect the facility at any time to determine compliance with the operational limitation in this permit condition.

PERMIT CONDITION EU0520 – 002

10 CSR 10-6.220 Restriction of Emission of Visible Air Contaminants

Emission Limitation:

- 1) No owner or other person shall cause or permit emissions to be discharged into the atmosphere from any existing source any visible emissions with an opacity greater than 40%.
Existing source – any equipment, machine, device, article, contrivance or installation installed or in construction in the outstate Missouri area on February 24, 1971. Exception: If the source is altered, repaired, or rebuilt at a cost of fifty percent (50%) or more of its replacement cost exclusive of routine maintenance, it shall no longer be existing, but shall be considered new as defined in this regulation.
- 2) Exception: A person may discharge into the atmosphere from any source of emissions for a period(s) aggregating not more than six (6) minutes in any 60 minutes air contaminants with an opacity up to 60%.

Monitoring:

- 1) The permittee shall conduct opacity readings on this emission unit using the procedures contained in Test Method 22 in Appendix A of 40 CFR Part 60. At a minimum, the observer should be trained and knowledgeable about the effects on visibility of emissions caused by background contrast, ambient lighting, observer position relative to lighting, wind and the presence of uncombined water. Readings are only required when the emission unit is operating and when the weather conditions allow. If no visible or other significant emissions are observed using these procedures, then no further observations would be required. For emission units with visible emissions perceived or believed to exceed the applicable opacity standard, the source representative would then conduct an observation using the procedures contained in Test Method 9 in Appendix A of 40 CFR Part 60.
- 2) The following monitoring schedule must be maintained:
 - a) Weekly observations shall be conducted for a minimum of eight consecutive weeks after permit issuance. Should no violation of this regulation be observed during this period then –
 - b) Observations must be made once every two (2) weeks for a period of eight weeks. If a violation is noted, monitoring reverts to weekly. Should no violation of this regulation be observed during this period then –
 - c) Observations must be made once per month. If a violation is noted, monitoring reverts to weekly.If the source reverts to weekly monitoring at any time, monitoring frequency will progress in an identical manner from the initial monitoring frequency.

Recordkeeping:

- 1) The permittee shall maintain records of all Method 22 observation results (See Attachment B1 or B2.), noting:
 - a) Whether any air emissions (except for water vapor) were visible from the emission units,
 - b) All emission units from which visible emissions occurred, and
 - c) Whether the visible emissions were normal for the process.
- 2) The permittee shall maintain records of any equipment malfunctions. (See Attachment A.)
- 3) The permittee shall maintain records of any Method 9 test performed in accordance with this permit condition. (See Attachment C.)
- 4) Attachments B1 or B2, A, and C contain logs satisfying these recordkeeping requirements. These logs, or equivalents created by the permittee, must be used to certify compliance with this requirement.
- 5) These records shall be maintained for five years. They must be maintained on-site for two years. They may be kept in either written or electronic form.
- 6) These records shall be made available immediately for inspection to Department of Natural Resources personnel upon request.

Reporting:

- 1) The permittee shall report to the Air Pollution Control Program Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after the permittee determines, using the Method 9 test, that the emission unit(s) exceeded the opacity limit.
- 2) Reports of any deviations from monitoring, recordkeeping and reporting requirements of this permit condition shall be submitted annually, in the annual monitoring report and annual compliance certification, as required by Section V of this permit.

EU0530			
Emission Unit	Description	Year Installed, Manufacturer Model	EIQ Point #
EU0530	Roll crusher (primary crushing) (Process 1)	1978, McLanahan Cobra 826-78	EP-03A

PERMIT CONDITION EU0530 – 001

10 CSR 10-6.060 Construction Permits Required
Construction Permit 1292-007, issued December 7, 1992

Emission Limitations:

- 1) Production processing of urea at this installation shall not exceed 16,000 tons on a twelve (12) month rolling total.
- 2) Production processing of ammonium nitrate at this installation shall not exceed 55,000 tons on a twelve (12) month rolling total.

Monitoring/Recordkeeping/Reporting:

The monitoring, recordkeeping, and reporting done to demonstrate compliance with plant wide Permit Condition PW001 also suffice to demonstrate compliance with the emission limitations in this permit condition.

PERMIT CONDITION EU0530 – 002

10 CSR 10-6.220 Restriction of Emission of Visible Air Contaminants

Emission Limitation:

- 1) No owner or other person shall cause or permit emissions to be discharged into the atmosphere from any new source any visible emissions with an opacity greater than 20%.
New source –any equipment, machine, device, article, contrivance or installation installed in the outstate Missouri area after February 24, 1971.
- 2) Exception: A person may discharge into the atmosphere from any source of emissions for a period(s) aggregating not more than six (6) minutes in any 60 minutes air contaminants with an opacity up to 60%.

Monitoring:

- 1) The permittee shall conduct opacity readings on this emission unit using the procedures contained in Test Method 22 in Appendix A of 40 CFR Part 60. At a minimum, the observer should be trained and knowledgeable about the effects on visibility of emissions caused by background contrast, ambient lighting, observer position relative to lighting, wind and the presence of uncombined water. Readings are only required when the emission unit is operating and when the weather conditions allow. If no visible or other significant emissions are observed using these procedures, then no further observations would be required. For emission units with visible emissions perceived or believed to exceed the applicable opacity standard, the source representative would then conduct an observation using the procedures contained in Test Method 9 in Appendix A of 40 CFR Part 60.
- 2) The following monitoring schedule must be maintained:
 - a) Weekly observations shall be conducted for a minimum of eight consecutive weeks after permit issuance. Should no violation of this regulation be observed during this period then –

- b) Observations must be made once every two (2) weeks for a period of eight weeks. If a violation is noted, monitoring reverts to weekly. Should no violation of this regulation be observed during this period then –
- c) Observations must be made once per month. If a violation is noted, monitoring reverts to weekly.

If the source reverts to weekly monitoring at any time, monitoring frequency will progress in an identical manner from the initial monitoring frequency.

Recordkeeping:

- 1) The permittee shall maintain records of all Method 22 observation results (See Attachment B1 or B2.), noting:
 - a) Whether any air emissions (except for water vapor) were visible from the emission units,
 - b) All emission units from which visible emissions occurred, and
 - c) Whether the visible emissions were normal for the process.
- 2) The permittee shall maintain records of any equipment malfunctions. (See Attachment A.)
- 3) The permittee shall maintain records of any Method 9 test performed in accordance with this permit condition. (See Attachment C.)
- 4) Attachments B1 or B2, A, and C contain logs satisfying these recordkeeping requirements. These logs, or equivalents created by the permittee, must be used to certify compliance with this requirement.
- 5) These records shall be maintained for five years. They must be maintained on-site for two years. They may be kept in either written or electronic form.
- 6) These records shall be made available immediately for inspection to Department of Natural Resources personnel upon request.

Reporting:

- 1) The permittee shall report to the Air Pollution Control Program Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after the permittee determines, using the Method 9 test, that the emission unit(s) exceeded the opacity limit.
- 2) Reports of any deviations from monitoring, recordkeeping and reporting requirements of this permit condition shall be submitted annually, in the annual monitoring report and annual compliance certification, as required by Section V of this permit.

EU0540			
Emission Unit	Description	Year Installed, Manufacturer Model	EQ Point #
EU0540	Conveying transfer points on conveyors transferring urea and bauxite from surge bin to bulk storage area or to storage bins (Process 1)	EP-04A: 1971, Shop-made EP-04B: 1978, Shop-made EP-04C: 1982, Allied EP-04D: 1982, Shop-made EP-04E: 1982, Shop-made EP-04F: 1986, Shop-made EP-04G: 1986, Shop-made	EP-04A – EP-04G

PERMIT CONDITION EU0540 – 001

10 CSR 10-6.060 Construction Permits Required
Construction Permit 1292-007, issued December 7, 1992

Emission Limitations:

- 1) Production processing of bauxite at this installation shall not exceed 175,000 tons on a twelve (12) month rolling total.
- 2) Production processing of urea at this installation shall not exceed 16,000 tons on a twelve (12) month rolling total.

Monitoring/Recordkeeping/Reporting:

The monitoring, recordkeeping, and reporting done to demonstrate compliance with plant wide Permit Condition PW001 also suffice to demonstrate compliance with the emission limitations in this permit condition.

PERMIT CONDITION EU0540 – 002

10 CSR 10-6.220 Restriction of Emission of Visible Air Contaminants

Emission Limitation:

- 1) No owner or other person shall cause or permit emissions to be discharged into the atmosphere from any new source any visible emissions with an opacity greater than 20%.
New source –any equipment, machine, device, article, contrivance or installation installed in the outstate Missouri area after February 24, 1971.
- 2) Exception: A person may discharge into the atmosphere from any source of emissions for a period(s) aggregating not more than six (6) minutes in any 60 minutes air contaminants with an opacity up to 60%.

Monitoring:

- 1) The permittee shall conduct opacity readings on this emission unit using the procedures contained in Test Method 22 in Appendix A of 40 CFR Part 60. At a minimum, the observer should be trained and knowledgeable about the effects on visibility of emissions caused by background contrast, ambient lighting, observer position relative to lighting, wind and the presence of uncombined water. Readings are only required when the emission unit is operating and when the weather conditions allow. If no visible or other significant emissions are observed using these procedures, then no further observations would be required. For emission units with visible emissions perceived or believed to exceed the applicable opacity standard, the source representative would then conduct an observation using the procedures contained in Test Method 9 in Appendix A of 40 CFR Part 60.
- 2) The following monitoring schedule must be maintained:
 - a) Weekly observations shall be conducted for a minimum of eight consecutive weeks after permit issuance. Should no violation of this regulation be observed during this period then –
 - b) Observations must be made once every two (2) weeks for a period of eight weeks. If a violation is noted, monitoring reverts to weekly. Should no violation of this regulation be observed during this period then –
 - c) Observations must be made once per month. If a violation is noted, monitoring reverts to weekly.

If the source reverts to weekly monitoring at any time, monitoring frequency will progress in an identical manner from the initial monitoring frequency.

Recordkeeping:

- 1) The permittee shall maintain records of all Method 22 observation results (See Attachment B1 or B2.), noting:
 - a) Whether any air emissions (except for water vapor) were visible from the emission units,
 - b) All emission units from which visible emissions occurred, and
 - c) Whether the visible emissions were normal for the process.
- 2) The permittee shall maintain records of any equipment malfunctions. (See Attachment A.)
- 3) The permittee shall maintain records of any Method 9 test performed in accordance with this permit condition. (See Attachment C.)
- 4) Attachments B1 or B2, A, and C contain logs satisfying these recordkeeping requirements. These logs, or equivalents created by the permittee, must be used to certify compliance with this requirement.
- 5) These records shall be maintained for five years. They must be maintained on-site for two years. They may be kept in either written or electronic form.
- 6) These records shall be made available immediately for inspection to Department of Natural Resources personnel upon request.

Reporting:

- 1) The permittee shall report to the Air Pollution Control Program Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after the permittee determines, using the Method 9 test, that the emission unit(s) exceeded the opacity limit.
- 2) Reports of any deviations from monitoring, recordkeeping and reporting requirements of this permit condition shall be submitted annually, in the annual monitoring report and annual compliance certification, as required by Section V of this permit.

IV. Core Permit Requirements

The installation shall comply with each of the following requirements. Consult the appropriate sections in the Code of Federal Regulations (CFR) and Code of State Regulations (CSR) for the full text of the applicable requirements. All citations, unless otherwise noted, are to the regulations in effect as of the date that this permit is issued.

10 CSR 10-6.050 Start-up, Shutdown and Malfunction Conditions

- 1) In the event of a malfunction, which results in excess emissions that exceed one hour, the permittee shall submit to the director within two business days, in writing, the following information:
 - a) Name and location of installation;
 - b) Name and telephone number of person responsible for the installation;
 - c) Name of the person who first discovered the malfunction and precise time and date that the malfunction was discovered.
 - d) Identity of the equipment causing the excess emissions;
 - e) Time and duration of the period of excess emissions;
 - f) Cause of the excess emissions;
 - g) Air pollutants involved;
 - h) Best estimate of the magnitude of the excess emissions expressed in the units of the applicable requirement and the operating data and calculations used in estimating the magnitude;
 - i) Measures taken to mitigate the extent and duration of the excess emissions; and
 - j) Measures taken to remedy the situation that caused the excess emissions and the measures taken or planned to prevent the recurrence of these situations.
- 2) The permittee shall submit the paragraph 1 information list to the director in writing at least ten days prior to any maintenance, start-up or shutdown, which is expected to cause an excessive release of emissions that exceed one hour. If notice of the event cannot be given ten days prior to the planned occurrence, it shall be given as soon as practicable prior to the release. If an unplanned excess release of emissions exceeding one hour occurs during maintenance, start-up or shutdown, the director shall be notified verbally as soon as practical during normal working hours and no later than the close of business of the following working day. A written notice shall follow within ten working days.
- 3) Upon receipt of a notice of excess emissions issued by an agency holding a certificate of authority under section 643.140, RSMo, the permittee may provide information showing that the excess emissions were the consequence of a malfunction, start-up or shutdown. The information, at a minimum, should be the paragraph 1 list and shall be submitted not later than 15 days after receipt of the notice of excess emissions. Based upon information submitted by the permittee or any other pertinent information available, the director or the commission shall make a determination whether the excess emissions constitute a malfunction, start-up or shutdown and whether the nature, extent and duration of the excess emissions warrant enforcement action under section 643.080 or 643.151, RSMo.
- 4) Nothing in this rule shall be construed to limit the authority of the director or commission to take appropriate action, under sections 643.080, 643.090 and 643.151, RSMo to enforce the provisions of the Air Conservation Law and the corresponding rule.
- 5) Compliance with this rule does not automatically absolve the permittee of liability for the excess emissions reported.

10 CSR 10-6.060 Construction Permits Required

The permittee shall not commence construction, modification, or major modification of any installation subject to this rule, begin operation after that construction, modification, or major modification, or begin operation of any installation which has been shut down longer than five years without first obtaining a permit from the permitting authority.

10 CSR 10-6.065 Operating Permits

The permittee shall file a complete application for renewal of this operating permit at least six months before the date of permit expiration. In no event shall this time be greater than eighteen months. [10 CSR 10-6.065(5)(B)1.A(III)] The permittee shall retain the most current operating permit issued to this installation on-site. [10 CSR 10-6.065, §(5)(C)(1) and §(6)(C)1.C(II)] The permittee shall immediately make such permit available to any Missouri Department of Natural Resources personnel upon request. [10 CSR 10-6.065, §(5)(C)(1) and §(6)(C)3.B]

10 CSR 10-6.110 Submission of Emission Data, Emission Fees and Process Information

- 1) The permittee shall complete and submit an Emission Inventory Questionnaire (EIQ) in accordance with the requirements outlined in this rule.
- 2) The permittee shall pay an annual emission fee per ton of regulated air pollutant emitted according to the schedule in the rule. This fee is an emission fee assessed under authority of RSMo. 643.079 to satisfy the requirements of the Federal Clean Air Act, Title V.
- 3) The fees shall be due April 1 each year for emissions produced during the previous calendar year. The fees shall be payable to the Department of Natural Resources and shall be accompanied by the Emissions Inventory Questionnaire (EIQ) form or equivalent approved by the director.

10 CSR 10-6.130 Controlling Emissions During Episodes of High Air Pollution Potential

This rule specifies the conditions that establish an air pollution alert (yellow/orange/red/purple), or emergency (maroon) and the associated procedures and emission reduction objectives for dealing with each. The permittee shall submit an appropriate emergency plan if required by the Director.

10 CSR 10-6.150 Circumvention

The permittee shall not cause or permit the installation or use of any device or any other means which, without resulting in reduction in the total amount of air contaminant emitted, conceals or dilutes an emission or air contaminant which violates a rule of the Missouri Air Conservation Commission.

10 CSR 10-6.170 Restriction of Particulate Matter to the Ambient Air Beyond the Premises of Origin

- 1) The permittee shall not cause or allow to occur any handling, transporting or storing of any material; construction, repair, cleaning or demolition of a building or its appurtenances; construction or use of a road, driveway or open area; or operation of a commercial or industrial installation without applying reasonable measures as may be required to prevent, or in a manner which allows or may allow, fugitive particulate matter emissions to go beyond the premises of origin in quantities that the particulate matter may be found on surfaces beyond the property line of origin. The nature or origin of the particulate matter shall be determined to a reasonable degree of certainty by a technique proven to be accurate and approved by the director.
- 2) The permittee shall not cause nor allow to occur any fugitive particulate matter emissions to remain visible in the ambient air beyond the property line of origin.

- 3) Should it be determined that noncompliance has occurred, the director may require reasonable control measures as may be necessary. These measures may include, but are not limited to, the following:
 - a) Revision of procedures involving construction, repair, cleaning and demolition of buildings and their appurtenances that produce particulate matter emissions;
 - b) Paving or frequent cleaning of roads, driveways and parking lots;
 - c) Application of dust-free surfaces;
 - d) Application of water; and
 - e) Planting and maintenance of vegetative ground cover.

10 CSR 10-6.180 Measurement of Emissions of Air Contaminants

- 1) The director may require any person responsible for the source of emission of air contaminants to make or have made tests to determine the quantity or nature, or both, of emission of air contaminants from the source. The director may specify testing methods to be used in accordance with good professional practice. The director may observe the testing. All tests shall be performed by qualified personnel.
- 2) The director may conduct tests of emissions of air contaminants from any source. Upon request of the director, the person responsible for the source to be tested shall provide necessary ports in stacks or ducts and other safe and proper sampling and testing facilities, exclusive of instruments and sensing devices as may be necessary for proper determination of the emission of air contaminants.
- 3) The director shall be given a copy of the test results in writing and signed by the person responsible for the tests.

10 CSR 10-3.030 Open Burning Restrictions

- 1) The permittee shall not conduct, cause, permit or allow a salvage operation, the disposal of trade wastes or burning of refuse by open burning.
- 2) Exception - Open burning of trade waste or vegetation may be permitted only when it can be shown that open burning is the only feasible method of disposal or an emergency exists which requires open burning.
- 3) Any person intending to engage in open burning shall file a request to do so with the director. The request shall include the following:
 - a) The name, address and telephone number of the person submitting the application; The type of business or activity involved; A description of the proposed equipment and operating practices, the type, quantity and composition of trade wastes and expected composition and amount of air contaminants to be released to the atmosphere where known;
 - b) The schedule of burning operations;
 - c) The exact location where open burning will be used to dispose of the trade wastes;
 - d) Reasons why no method other than open burning is feasible; and
 - e) Evidence that the proposed open burning has been approved by the fire control authority which has jurisdiction.
- 4) Upon approval of the open burning permit application by the director, the person may proceed with the operation under the terms of the open burning permit. Be aware that such approval shall not exempt Wayne B. Smith from the provisions of any other law, ordinance or regulation.
- 5) The permittee shall maintain files with letters from the director approving the open burning operation and previous DNR inspection reports.

10 CSR 10-3.090 Restriction of Emission of Odors

No person may cause, permit or allow the emission of odorous matter in concentrations and frequencies or for durations that odor can be perceived when one volume of odorous air is diluted with seven volumes of odor-free air for two separate trials not less than 15 minutes apart within the period of one hour.

This requirement is not federally enforceable.

Title VI – 40 CFR Part 82 Protection of Stratospheric Ozone

- 1) The permittee shall comply with the standards for labeling of products using ozone-depleting substances pursuant to 40 CFR Part 82, Subpart E:
 - a) All containers in which a class I or class II substance is stored or transported, all products containing a class I substance, and all products directly manufactured with a class I substance must bear the required warning statement if it is being introduced into interstate commerce pursuant to §82.106.
 - b) The placement of the required warning statement must comply with the requirements pursuant to §82.108.
 - c) The form of the label bearing the required warning statement must comply with the requirements pursuant to §82.110.
 - d) No person may modify, remove, or interfere with the required warning statement except as described in §82.112.
- 2) The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for motor vehicle air conditioners (MVACs) in Subpart B:
 - a) Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to §82.156.
 - b) Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to §82.158.
 - c) Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to §82.161.
 - d) Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to §82.166. ("MVAC-like" appliance as defined at §82.152).
 - e) Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to §82.156.
 - f) Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to §82.166.
- 3) If the permittee manufactures, transforms, imports, or exports a class I or class II substance, the permittee is subject to all the requirements as specified in 40 CFR part 82, Subpart A, Production and Consumption Controls.
- 4) If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR part 82, Subpart B, Servicing of Motor Vehicle Air conditioners. The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant.

The permittee shall be allowed to switch from any ozone-depleting substance to any alternative that is listed in the Significant New Alternatives Program (SNAP) promulgated pursuant to 40 CFR part 82, Subpart G, Significant New Alternatives Policy Program. *Federal Only - 40 CFR part 82*

10 CSR 10-6.280 Compliance Monitoring Usage

- 1) The permittee is not prohibited from using the following in addition to any specified compliance methods for the purpose of submission of compliance certificates:
 - a) Monitoring methods outlined in 40 CFR Part 64;
 - b) Monitoring method(s) approved for the permittee pursuant to 10 CSR 10-6.065, "Operating Permits", and incorporated into an operating permit; and
 - c) Any other monitoring methods approved by the director.
- 2) Any credible evidence may be used for the purpose of establishing whether a permittee has violated or is in violation of any such plan or other applicable requirement. Information from the use of the following methods is presumptively credible evidence of whether a violation has occurred by a permittee:
 - a) Monitoring methods outlined in 40 CFR Part 64;
 - b) A monitoring method approved for the permittee pursuant to 10 CSR 10-6.065, "Operating Permits", and incorporated into an operating permit; and
 - c) Compliance test methods specified in the rule cited as the authority for the emission limitations.
- 3) The following testing, monitoring or information gathering methods are presumptively credible testing, monitoring, or information gathering methods:
 - a) Applicable monitoring or testing methods, cited in:
 - i) 10 CSR 10-6.030, "Sampling Methods for Air Pollution Sources";
 - ii) 10 CSR 10-6.040, "Reference Methods";
 - iii) 10 CSR 10-6.070, "New Source Performance Standards";
 - iv) 10 CSR 10-6.080, "Emission Standards for Hazardous Air Pollutants"; or
 - b) Other testing, monitoring, or information gathering methods, if approved by the director, that produce information comparable to that produced by any method listed above.

V. General Permit Requirements

The installation shall comply with each of the following requirements. Consult the appropriate sections in the Code of Federal Regulations (CFR) and Code of State Regulations (CSR) for the full text of the applicable requirements. All citations, unless otherwise noted, are to the regulations in effect as of the date that this permit is issued.

10 CSR 10-6.065, §(5)(C)1 and §(6)(C)1.B Permit Duration

This permit is issued for a term of five years, commencing on the date of issuance. This permit will expire at the end of this period unless renewed.

10 CSR 10-6.065, §(5)(C)1 and §(6)(C)1.C General Recordkeeping and Reporting Requirements

- 1) Recordkeeping
 - a) All required monitoring data and support information shall be retained for a period of at least five years from the date of the monitoring sample, measurement, report or application.
 - b) Copies of all current operating and construction permits issued to this installation shall be kept on-site for as long as the permits are in effect. Copies of these permits shall be made immediately available to any Missouri Department of Natural Resources personnel upon request.
- 2) Reporting
 - a) All reports shall be submitted to the Air Pollution Control Program, Enforcement Section, P. O. Box 176, Jefferson City, MO 65102.
 - b) The permittee shall submit a report of all required monitoring by:
 - i) April 1st for monitoring which covers the January through December time period.
 - ii) Exception. Monitoring requirements which require reporting more frequently than annually shall report no later than 30 days after the end of the calendar quarter in which the measurements were taken.
 - c) Each report shall identify any deviations from emission limitations, monitoring, recordkeeping, reporting, or any other requirements of the permit.
 - d) Submit supplemental reports as required or as needed. Supplemental reports are required no later than ten days after any exceedance of any applicable rule, regulation or other restriction. All reports of deviations shall identify the cause or probable cause of the deviations and any corrective actions or preventative measures taken.
 - i) Notice of any deviation resulting from an emergency (or upset) condition as defined in paragraph (6)(C)7 of 10 CSR 10-6.065 (Emergency Provisions) shall be submitted to the permitting authority either verbally or in writing within two working days after the date on which the emission limitation is exceeded due to the emergency, if the permittee wishes to assert an affirmative defense. The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that indicate an emergency occurred and the permittee can identify the cause(s) of the emergency. The permitted installation must show that it was operated properly at the time and that during the period of the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or requirements in the permit. The notice must contain a description of the emergency, the steps taken to mitigate emissions, and the corrective actions taken.
 - ii) Any deviation that poses an imminent and substantial danger to public health, safety or the environment shall be reported as soon as practicable.

- iii) Any other deviations identified in the permit as requiring more frequent reporting than the permittee's annual report shall be reported on the schedule specified in this permit, and no later than ten days after any exceedance of any applicable rule, regulation, or other restriction.
- e) Every report submitted shall be certified by the responsible official, except that, if a report of a deviation must be submitted within ten days after the deviation, the report may be submitted without a certification if the report is resubmitted with an appropriate certification within ten days after that, together with any corrected or supplemental information required concerning the deviation.
- f) The permittee may request confidential treatment of information submitted in any report of deviation.

10 CSR 10-6.065 §(5)(C)1 and §(6)(C)1.D Risk Management Plan Under Section 112(r)

The permittee shall comply with the requirements of 40 CFR Part 68, Accidental Release Prevention Requirements. If the permittee has more than a threshold quantity of a regulated substance in process, as determined by 40 CFR Section 68.115, the permittee shall submit a Risk Management Plan in accordance with 40 CFR Part 68 no later than the latest of the following dates:

- 1) June 21, 1999;
- 2) Three years after the date on which a regulated substance is first listed under 40 CFR Section 68.130; or
- 3) The date on which a regulated substance is first present above a threshold quantity in a process.

10 CSR 10-6.065(5)(C)1.A General Requirements

- 1) The permittee must comply with all of the terms and conditions of this permit. Any noncompliance with a permit condition constitutes a violation and is grounds for enforcement action, permit termination, permit revocation and re-issuance, permit modification or denial of a permit renewal application.
- 2) The permittee may not use as a defense in an enforcement action that it would have been necessary for the permittee to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit.
- 3) The permit may be modified, revoked, reopened, reissued or terminated for cause. Except as provided for minor permit modifications, the filing of an application or request for a permit modification, revocation and reissuance, or termination, or the filing of a notification of planned changes or anticipated noncompliance, does not stay any permit condition.
- 4) This permit does not convey any property rights of any sort, nor grant any exclusive privilege.
- 5) The permittee shall furnish to the Air Pollution Control Program, upon receipt of a written request and within a reasonable time, any information that the Air Pollution Control Program reasonably may require to determine whether cause exists for modifying, reopening, reissuing or revoking the permit or to determine compliance with the permit. Upon request, the permittee also shall furnish to the Air Pollution Control Program copies of records required to be kept by the permittee. The permittee may make a claim of confidentiality for any information or records submitted under this rule.
- 6) Failure to comply with the limitations and conditions that qualify the installation for an Intermediate permit make the installation subject to the provisions of 10 CSR 10-6.065(6) and enforcement action for operating without a valid part 70 operating permit.

10 CSR 10-6.065(5)(C)1.C Reasonably Anticipated Operating Scenarios

None.

10 CSR 10-6.065, §(5)(C)1, §(5)(C)3, and §(6)(C)3 Compliance Requirements

- 1) Any document (including reports) required to be submitted under this permit shall contain a certification signed by the responsible official.
- 2) Upon presentation of credentials and other documents as may be required by law, the permittee shall allow authorized officials of the Missouri Department of Natural Resources, or their authorized agents, to perform the following (subject to the installation's right to seek confidential treatment of information submitted to, or obtained by, the Air Pollution Control Program):
 - a) Enter upon the premises where a permitted installation is located or an emissions-related activity is conducted, or where records must be kept under the conditions of this permit;
 - b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
 - c) Inspect, at reasonable times and using reasonable safety practices, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit; and
 - d) As authorized by the Missouri Air Conservation Law, Chapter 643, RSMo or the Act, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the terms of this permit, and all applicable requirements as outlined in this permit.
- 3) All progress reports required under an applicable schedule of compliance shall be submitted semi-annually (or more frequently if specified in the applicable requirement). These progress reports shall contain the following:
 - a) Dates for achieving the activities, milestones or compliance required in the schedule of compliance, and dates when these activities, milestones or compliance were achieved, and
 - b) An explanation of why any dates in the schedule of compliance were not or will not be met, and any preventative or corrective measures adopted.
- 4) The permittee shall submit an annual certification that it is in compliance with all of the federally enforceable terms and conditions contained in this permit, including emissions limitations, standards, or work practices. These certifications shall be submitted annually by April 1st, unless the applicable requirement specifies more frequent submission. These certifications shall be submitted to the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, MO 65102. All deviations must be included in the compliance certifications. The compliance certification shall include the following:
 - a) The identification of each term or condition of the permit that is the basis of the certification;
 - b) The current compliance status, as shown by monitoring data and other information reasonably available to the installation;
 - c) Whether compliance was continuous or intermittent;
 - d) The method(s) used for determining the compliance status of the installation, both currently and over the reporting period; and
 - e) Such other facts as the Air Pollution Control Program will require in order to determine the compliance status of this installation.

10 CSR 10-6.065, §(5)(C)1 and §(6)(C)7 Emergency Provisions

- 1) An emergency or upset as defined in 10 CSR 10-6.065(6)(C)7.A shall constitute an affirmative defense to an enforcement action brought for noncompliance with technology-based emissions

limitations. To establish an emergency- or upset-based defense, the permittee must demonstrate, through properly signed, contemporaneous operating logs or other relevant evidence, the following:

- a) That an emergency or upset occurred and that the permittee can identify the source of the emergency or upset,
 - b) That the installation was being operated properly,
 - c) That the permittee took all reasonable steps to minimize emissions that exceeded technology-based emissions limitations or requirements in this permit, and
 - d) That the permittee submitted notice of the emergency to the Air Pollution Control Program within two working days of the time when emission limitations were exceeded due to the emergency. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and any corrective actions taken.
- 2) Be aware that an emergency or upset shall not include noncompliance caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.

10 CSR 10-6.065(5)(C)5 Off-Permit Changes

- 1) Except as noted below, the permittee may make any change in its permitted installation's operations, activities or emissions that is not addressed in, constrained by or prohibited by this permit without obtaining a permit revision. Off-permit changes shall be subject to the following requirements and restrictions:
 - a) The change must meet all applicable requirements of the Act and may not violate any existing permit term or condition; the permittee may not change a permitted installation without a permit revision if this change is a Title I modification; Please Note: Changes at the installation which affect the emission limitation(s) classifying the installation as an intermediate source (add additional equipment to the recordkeeping requirements, increase the emissions above major source level) do not qualify for off-permit changes.
 - b) The permittee must provide written notice of the change to the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, as well as EPA Region VII, 901 North 5th Street, Kansas City, Kansas 66101, no later than the next annual emissions report. This written notice shall describe each change, including the date, any change in emissions, pollutants emitted and any applicable requirement that would apply as a result of the change; and
 - c) The permittee shall keep a record describing all changes made at the installation that result in emissions of a regulated air pollutant subject to an applicable requirement and the emissions resulting from these changes

10 CSR 10-6.020(2)(R)12 Responsible Official

The application utilized in the preparation of this permit was signed by Gerald W. Smith, Vice President. If this person terminates employment, or is reassigned different duties such that a different person becomes the responsible person to represent and bind the installation in environmental permitting affairs, the owner or operator of this air contaminant source shall notify the Director of the Air Pollution Control Program of the change. Said notification shall be in writing and shall be submitted within 30 days of the change. The notification shall include the name and title of the new person assigned by the source owner or operator to represent and bind the installation in environmental permitting affairs. All representations, agreement to terms and conditions and covenants made by the former responsible person that were used in the establishment of limiting permit conditions on this permit will continue to be binding on the installation until such time that a revision to this permit is obtained that would change said representations, agreements and covenants.

10 CSR 10-6.065 §(5)(E)4 and §(6)(E)6.A(III)(a)-(c) Reopening-Permit for Cause

This permit may be reopened for cause if:

- 1) The Missouri Department of Natural Resources (MDNR) or EPA determines that the permit contains a material mistake or that inaccurate statements were made which resulted in establishing the emissions limitation standards or other terms of the permit,
- 2) Additional applicable requirements under the Act become applicable to the installation; however, reopening on this ground is not required if—:
 - a) The permit has a remaining term of less than three years;
 - b) The effective date of the requirement is later than the date on which the permit is due to expire;
or
 - c) The additional applicable requirements are implemented in a general permit that is applicable to the installation and the installation receives authorization for coverage under that general permit,
- 3) MDNR or EPA determines that the permit must be reopened and revised to assure compliance with applicable requirements.

10 CSR 10-6.065 §(5)(E)1.A and §(6)(E)1.C Statement of Basis

This permit is accompanied by a statement setting forth the legal and factual basis for the draft permit conditions (including references to applicable statutory or regulatory provisions). This Statement of Basis, while referenced by the permit, is not an actual part of the permit.

VI. Attachments

Attachments follow.

Draft

[illegible]

ATTACHMENT B1

Method 22 (Outdoor Observation Log)		
Emission Unit		
Observer	Date	
Sky Conditions		
Precipitation		
Wind Direction	Wind Speed	
<p>Sketch process unit: Indicate the position relative to the source and sun; mark the potential emission points and/or the observing emission points.</p> <div style="text-align: center; font-size: 2em; opacity: 0.3; transform: rotate(-30deg); pointer-events: none;">Draft</div>		
Observation Clock Time	Observation Period Duration (minute:second)	Accumulative Emission Time (minute:second)
Begin Observation		
End Observation		

Method 22 Opacity Emission Observations

[illegible]

ATTACHMENT C

Method 9 Opacity Emission Observations	
Company	Observer
Location	Observer Certification Date
Date	Emission Unit
Time	Control Device

Hour	Min.	Seconds				Steam Plume (check if applicable)		Comments
		0	15	30	45	Attached	Detached	
	0							
	1							
	2							
	3							
	4							
	5							
	6							
	7							
	8							
	9							
	10							
	11							
	12							
	13							
	14							
	15							
	16							
	17							
	18							

SUMMARY OF AVERAGE OPACITY				
Set Number	Time		Opacity	
	Start	End	Sum	Average

Readings ranged from _____ to _____ % opacity.

Was the emission unit in compliance at the time of evaluation? _____
 YES NO Signature of Observer

ATTACHMENT D
Calculations Demonstrating Compliance With 10 CSR 10-6.260
[Permit Condition (EU0440 AND EU0450) – 001]

The following calculations demonstrate that emission units EU0440 and EU0450 are always in compliance with 10 CSR 10-6.260 *Restriction of Emission of Sulfur Compounds*. These emission units are internal combustion engines that combust distillate fuel oil. The AP-42 SO₂ diesel fuel combustion emission factor = 1.01S lb/MMBtu fuel input [Table 3.4-1, where S is sulfur weight percent]

EU0440 – Roll Crusher Drive Engine

EU0440 parameters (from permit application):

- fuel use design rate (MHDR) = 1.0 gallon per hour
- Q (exhaust rate) = 521 acfm [521 acfm × 60 min/hr = 31,260 ft³/hr]
- Stack exhaust temperature = 900°F (or 900 + 460 °R)
- Fuel sulfur content = 0.5 percent by weight, maximum

Estimate the ppmv of SO₂ in stack gas:

- 1) SO₂ emissions = 1.01(0.5) lb/MMBtu × 1.0 gal/hr × 0.138 MMBtu/gal = 0.07 lb/hr
- 2) Estimate SO₂ stack gas volume in one hour of operation:

One lb-mole SO₂ weighs 64 lb and occupies 379.5 ft³ at 60°F
0.07 lb/hr × 379.5 ft³/64 lb = 0.42 ft³/hr at 60°F (or 60 + 460 °R)
0.42 ft³/hr × 1360°R/520°R = 1.1 ft³/hr at 900°F

- 3) Concentration of SO₂ in stack gas based on hourly exhaust gas volume is:

$$1.1 \text{ ft}^3 / 31,260 \text{ ft}^3 \times 1,000,000 \text{ parts/million parts} = \underline{35.2 \text{ ppmv}}$$

The calculated SO₂ stack gas concentration of 35.2 ppmv is less than the 500 ppmv standard in 10 CSR 10-6.260, so EU0440 will always be in compliance with the emission standard.

EU0450 – V6 Diesel Conveyor Drive

EU0450 parameters (from permit application):

- fuel use design rate (MHDR) = 0.7 MMBtu/hr
- Q (exhaust rate) = 1040 acfm [1040 acfm × 60 min/hr = 62,400 ft³/hr]
- Stack exhaust temperature = 900°F (or 900 + 460 °R)
- Fuel sulfur content = 0.5 percent by weight, maximum

Estimate the ppmv of SO₂ in stack gas:

- 1) SO₂ emissions = 1.01(0.5) lb/MMBtu × 0.7 MMBtu/hr = 0.35 lb/hr
- 2) Estimate SO₂ stack gas volume in one hour of operation:

One lb-mole SO₂ weighs 64 lb and occupies 379.5 ft³ at 60°F
0.35 lb/hr × 379.5 ft³/64 lb = 2.08 ft³/hr at 60°F (or 60 + 460 °R)
2.08 ft³/hr × 1360°R/520°R = 5.43 ft³/hr at 900°F

3) Concentration of SO₂ in stack gas based on hourly exhaust gas volume is:

$$5.43 \text{ ft}^3 / 62,400 \text{ ft}^3 \times 1,000,000 \text{ parts/million parts} = \underline{87.0 \text{ ppmv}}$$

The calculated SO₂ stack gas concentration of 87.0 ppmv is less than the 500 ppmv standard in 10 CSR 10-6.260, so EU0450 will always be in compliance with the emission standard.

Draft

ATTACHMENT E
Calculations Demonstrating EU0510 Compliance With 10 CSR 10-6.260

The following calculations demonstrate that emission unit EU0510 is always in compliance with 10 CSR 10-6.260 *Restriction of Emission of Sulfur Compounds*.

EU0510 parameters (from permit application):

- fuel use design rate (MHDR) = 24 gal/hr
- Q (exhaust rate) = 16,000 acfm [16,000 acfm \times 60 min/hr = 960,000 ft³/hr]
- Stack exhaust temperature = 150°F (or 150 + 460 °R)
- Fuel sulfur content = 0.5 percent by weight, maximum

Estimate the ppmv of SO₂ in stack gas:

- 1) SO₂ emissions factor = 142(0.5) lb/mgal = 71 lb/mgal
- 2) Estimate SO₂ stack gas volume in one hour of operation:

One lb-mole SO₂ weighs 64 lb and occupies 379.5 ft³ at 60°F
 $71 \text{ lb/mgal} \times 0.024 \text{ mgal/hr} \times 379.5 \text{ ft}^3/64 \text{ lb} = 10.1 \text{ ft}^3/\text{hr at } 60^\circ\text{F (or } 60 + 460^\circ\text{R)}$
 $10.1 \text{ ft}^3/\text{hr} \times 610^\circ\text{R}/520^\circ\text{R} = 13.4 \text{ ft}^3/\text{hr at } 150^\circ\text{F}$

- 3) Concentration of SO₂ in stack gas based on hourly exhaust gas volume is:

$13.4 \text{ ft}^3/960,000 \text{ ft}^3 \times 1,000,000 \text{ parts/million parts} = 14.0 \text{ ppmv}$

The calculated SO₂ stack gas concentration of 14.0 ppmv is less than the 2000 ppmv standard in 10 CSR 10-6.260; therefore, EU0510 always will be in compliance with the emission standard.

[AP-42 SO₂ emission factor for external combustion of fuel oil, Table 1.3-1, is 142S lb/mgal]

STATEMENT OF BASIS

Voluntary Limitations

In order to qualify for this Intermediate State Operating Permit, the permittee has accepted voluntary, federally enforceable emission limitations. Per 10 CSR 10-6.065(5)(C)1.A.(VI), if these limitations are exceeded, the installation immediately becomes subject to 10 CSR 10-6.065(6) and enforcement action for operating without a valid part 70 operating permit. It is the permittee's responsibility to monitor emission levels and apply for a part 70 operating permit far enough in advance to avoid this situation. This may mean applying more than eighteen months in advance of the exceedance, since it can take that long or longer to obtain a part 70 operating permit.

Permit Reference Documents

These documents were relied upon in the preparation of the operating permit. Because they are not incorporated by reference, they are not an official part of the operating permit.

- 1) Intermediate Operating Permit Application, received May 28, 2002;
- 2) 2004 Emissions Inventory Questionnaire, received April 4, 2005;
- 3) U.S. EPA document AP-42, *Compilation of Air Pollutant Emission Factors*; Volume I, Stationary Point and Area Sources, Fifth Edition.

Applicable Requirements Included in the Operating Permit but Not in the Application or Previous Operating Permits

In the operating permit application, the installation indicated they were not subject to the following regulation(s). However, in the review of the application, the agency has determined that the installation is subject to the following regulation(s) for the reasons stated.

- 1) On the application, the permittee indicated that 10 CSR 10-6.180, Measurement of Emissions of Air Contaminants, was not needed because it was an administrative regulation. This regulation is now being included in all air operating permits.
- 2) On the application, the permittee indicated that 10 CSR 10-6.280, Compliance Monitoring Usage, was not needed because it was an administrative regulation. This regulation is now being included in all air operating permits, because it gives the permittee more flexibility in compliance monitoring.
- 3) All of the regulations in the General Permit Requirements section are now being included in all air operating permits.
- 4) Title VI – 40 CFR Part 82, Protection of Stratospheric Ozone, applies to any person that produces, transforms, destroys, imports or exports a controlled substance or imports or exports a controlled product. "Controlled substance" and "controlled product" refer to substances and products regulated under the Montreal Protocol on Substances that Deplete the Ozone Layer and sections 602, 603, 604, 605, 606, 607, 614 and 616 of the Clean Air Act Amendments of 1990, Public Law 101-549. This regulation is so generally applicable that it is now being included in all permits as a core permit requirement.

Other Air Regulations Determined Not to Apply to the Operating Permit

The Air Pollution Control Program (APCP) has determined that the following requirements are not applicable to this installation at this time for the reasons stated.

- 1) On the application, the permittee checked 10 CSR 10-3.050, Restriction of Emission of Particulate Matter From Industrial Processes. This regulation was rescinded on March 30, 2001. It has been replaced by 10 CSR 6.400, Restriction of Emission of Particulate Matter From Industrial Processes. The source category exemptions in 10 CSR 10-6.400(1)(B) exclude from coverage many of the emission units at the installation. The basis for exempting emission units from this regulation is listed below. A description of each numbered unit may be found in Section I of this permit.
 - a) Emission units EU0090 through EU0140 are exempt per 10 CSR 10-6.400(1)(B)2.;
 - b) These emission units are exempt per 10 CSR 10-6.400(1)(B)7. because they are fugitive emission sources:
EU0010 through EU0040;
EU0150 and EU0160;
EU0200 through EU0430;
EU0460 through EU0500; and
EU0520 through EU0540.
 - c) These emission units are exempt per 10 CSR 10-6.400(1)(B)8.:
EU0050 through EU0080;
EU0170 through EU0190.
 - d) Emission units EU0440 and EU0450 are exempt per 10 CSR 10-6.400(1)(B)11.
- 2) On the application, the permittee checked 10 CSR 10-3.100, Restriction of Emission of Sulfur Compounds. This regulation was rescinded on July 30, 1997, and replaced by 10 CSR 10-6.260, *Restriction of Emission of Sulfur Compounds*, which applies to fuel combustion sources at the installation.
- 3) 10 CSR 10-6.100 Alternate Emission Limits is not applicable to this installation because it is in an ozone attainment area.

Construction Permit Revisions

The following revisions were made to construction permits for this installation:

None.

New Source Performance Standards (NSPS) Applicability

On the application, the permittee checked 40 CFR Part 60 Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants. Per 40 CFR §60.670(e), this installation is exempt from this regulation because it was not constructed, reconstructed, or modified after August 31, 1983. The words “constructed,” “reconstructed,” and “modified” used in the previous sentence have the meanings defined for them in 40 CFR §60.671.

Regarding applicability of 40 CFR 60 Subparts K, Ka, or Kb, the installation has the following tanks.

Tank #	Capacity (10 ³ gal)	Capacity (m ³)	Stores	True vapor pressure (where relevant)
01	18.50	70.02	#2 diesel fuel	--
08	10.50	39.75	10W oil	--
09	6.00	22.71	Automatic transmission fluid	--
14	3.00	11.36	30W oil	--
15	3.00	11.36	30W oil	--
17	2.50	9.46	Regular unleaded gasoline	--
19	1.03	3.86	#1 diesel fuel	--
22	2.00	7.57	Removed from service	--
24	29.61	112.09	#2 diesel	Approx. 7.7 kPa

Except for Tank # 24, all the tanks have a capacity less than 75m³ (20,000 gallons). Tank #24 has a capacity between 75 m³ (20,000 gallons) and 151 m³ (40,000 gallons). However, the liquid it contains has a true vapor pressure less than the 15.0 kPa applicability threshold. Therefore, none of these tanks are subject to 40 CFR 60 Subparts K, Ka, or Kb.

The installation crushes bauxite, a metallic mineral, to reduce the ore volume prior to transportation to concentrators operated at other locations. The NSPS applicable to metallic mineral processing plants, 40 CFR 60 Subpart LL, applies to equipment that “produces metallic mineral concentrates from ore” (§ 60.381). Subpart LL does not apply to the bauxite processing equipment at the installation because it does not concentrate the metallic components of the material. A “metallic mineral concentrate” is defined as “material containing metallic compounds in concentrations higher than naturally occurring in ore.” The bauxite processed at this installation is a non-concentrated, naturally-occurring ore that is unchanged by the crushing operation.

No other NSPS regulations apply to this installation.

Maximum Available Control Technology (MACT) Applicability

No MACT regulations apply to this installation.

National Emission Standards for Hazardous Air Pollutants (NESHAP) Applicability

In the permit application and according to APCP records, there was no indication that any Missouri Air Conservation Law, Asbestos Abatement, 643.225 through 643.250; 10 CSR 10-6.080, Emission Standards for Hazardous Air Pollutants, Subpart M, National Standards for Asbestos; and 10 CSR 10-6.250, Asbestos Abatement Projects - Certification, Accreditation, and Business Exemption Requirements apply to this installation. The installation is subject to these regulations if they undertake any projects that deal with or involve any asbestos containing materials. None of the installation's operating projects underway at the time of this review deal with or involve asbestos containing material. Therefore, the above regulations were not cited in the operating permit. If the installation should undertake any construction or demolition projects in the future that deal with or involve any asbestos containing materials, the installation must follow all of the applicable requirements of the above rules related to that specific project.

No other NESHAP regulations apply to this installation.

Other Regulatory Determinations

None.

Other Regulations Not Cited in the Operating Permit or the Above Statement of Basis

Any regulation which is not specifically listed in either the Operating Permit or in the above Statement of Basis does not appear, based on this review, to be an applicable requirement for this installation for one or more of the following reasons.

- 1) The specific pollutant regulated by that rule is not emitted by the installation.
- 2) The installation is not in the source category regulated by that rule.
- 3) The installation is not in the county or specific area that is regulated under the authority of that rule.
- 4) The installation does not contain the type of emission unit which is regulated by that rule.
- 5) The rule is only for administrative purposes.

Should a later determination conclude that the installation is subject to one or more of the regulations cited in this Statement of Basis or other regulations which were not cited, the installation shall determine and demonstrate, to the Air Pollution Control Program's satisfaction, the installation's compliance with that regulation(s). If the installation is not in compliance with a regulation which was not previously cited, the installation shall submit to the APCP a schedule for achieving compliance for that regulation(s).

Prepared by:

Richard J. Campbell
Environmental Engineer

Gerald W. Smith, Vice President
Wayne B. Smith
Hwy. 79 South, P.O. Box 474
Louisiana, MO 63363

Re: Wayne B. Smith, 163-0008
Permit Number:

Dear Mr. Smith:

Enclosed with this letter is your intermediate operating permit. Please review this document carefully. Operation of your installation in accordance with the rules and regulations cited in this document is necessary for continued compliance. It is very important you read and understand the requirements contained in your permit.

If you have any questions or need additional information regarding this permit, please contact the Air Pollution Control Program (APCP) at (573) 751-4817, or write to the Department of Natural Resources' Air Pollution Control Program, PO Box 176, Jefferson City, MO 65102. Thank you for your time and attention.

Sincerely,

AIR POLLUTION CONTROL PROGRAM

Michael J. Stansfield, P.E.
Operating Permit Unit Chief

MJS: rck

Enclosures

c: Ms. Tamara Freeman, US EPA Region VII
Ms. Abbie Stockett, Northeast Regional Office
PAMS File: 2002-05-369

CERTIFIED MAIL, 70052570000215846341
RETURN RECEIPT REQUESTED

Mr. Gerald W. Smith
Vice-President
Wayne B. Smith
PO Box 474, Hwy 79 South
Louisiana, MO 63363

Re: Draft Intermediate Operating Permit – Project (PAMS) No: 2002-05-369

Dear Mr. Smith

The Air Pollution Control Program (APCP) completed the preliminary review of your Intermediate (Title V) permit application. A public notice will be placed in the Louisiana Press-Journal on Wednesday, December 13, 2006.

The APCP will accept comments regarding the draft permit that are postmarked on or before the closing date. It is very important you read and understand this legal document. You will be held responsible for complying with this document.

Please address comments or recommendations for changes to my attention at:

Operating Permits Unit
Air Pollution Control Program
P.O. Box 176
Jefferson City, MO 65102

A copy of this draft is also being sent to the U.S. EPA's Region VII office in Kansas City for their review. The Region VII office is afforded, by law, oversight

Mr. Gerald W. Smith
Page Two

authority on any Title V permit which Missouri (or any of the other states in the region) may propose to issue. A public hearing may be held if interest is expressed by the public.

Should you have any questions, please contact me at (573) 751-4817, or write to the Department of Natural Resources, Air Pollution Control Program, PO Box 176, Jefferson City, MO 65102. Thank you for your time.

Sincerely,

AIR POLLUTION CONTROL PROGRAM

Richard J. Campbell
Environmental Engineer

RJC/kdm

Enclosures

c: Ms. Tamara Freeman, US EPA Region VII
Northeast Regional Office
PAMS File: 2002-05-369

Ms. Laurel L. Kroack, Chief, Bureau of Air
Illinois Environmental Protection Agency
Division of Air Pollution Control
PO Box 19276, 1021 N. Grand Ave. E.
Springfield, IL 62702

RE: Affected States Review – Notification of Proposed Final Intermediate Operating Permit

Dear Ms. Kroack:

In accordance with Missouri State Rule 10 CSR 10-6.065(5)(F)1. and the Clean Air Act this letter is to notify you of public notice of the preliminary draft and request for comments for:

Wayne B. Smith located in Louisiana, MO 63363

Project Number - 2002-05-369

Public notice will be published in the Louisiana Press-Journal on Wednesday, December 13, 2006.

You are invited to submit any relevant information, materials, and views in support of or in opposition to the draft operating permits in writing by no later than January 12, 2007 to my attention at the Missouri Department of Natural Resources' Air Pollution Control Program, Operating Permits Unit, PO Box 176, Jefferson City, MO 65102.

Should you require further information or documentation on this matter, please contact the Operating Permits Unit at (573) 751-4817, or write to the Department of Natural Resources' Air Pollution Control Program, PO Box 176, Jefferson City, MO 65102. Thank you for your time and attention.

Sincerely,

AIR POLLUTION CONTROL PROGRAM

Michael J. Stansfield, P.E.
Operating Permit Unit Chief

MJS: csk

c: Ms. Tamara Freeman, US EPA Region VII
Ms. Abbie Stockett, Northeast Regional Office
PAMS File: 2002-05-369

For Publication on Wednesday, December 13, 2006

Notice of documents available for public viewing
Department of Natural Resources
Air and Land Protection Division
Air Pollution Control Program

A draft-operating permit has been issued for the following air pollution sources:

Installation	City	Project #
Wayne B. Smith	Louisiana	2002-05-369

Activities included in these permits are all activities involved in the operation of these sources with the potential for producing regulated quantities of regulated air pollutants.

Copies of the draft permits are available for public comment. Public files containing copies of all non-confidential materials and a copy or summary of other materials, if any, considered in this draft permit, are available for public viewing at the following locations: MO Dept. of Natural Resources, Abbie Stockett, Northeast Regional Office, 1709 Prospect Drive, Macon, MO 63552 or by written request from the Air Pollution Control Program, Operating Permits Unit, PO Box 176, Jefferson City, MO 65102 (Any information deemed confidential business information pursuant to Missouri State Rule 10 CSR 10-6.210, *Confidential Information*, if any exists, are not included in the public files. Emission data, as defined by this rule, cannot be considered confidential business information.)

The file is available for viewing through January 12, 2007. Citizens are invited to submit any relevant information, materials, and views in support of or in opposition to the draft operating permits in writing no later than January 12, 2007. Written comments and/or requests for public hearing should be sent to James L. Kavanaugh, Missouri Department of Natural Resources, Air Pollution Control Program, P.O. Box 176, Jefferson City, MO 65102.

The Air Pollution Control Program will hold an informal public hearing after an additional 30 day comment period on the draft permit if: 1.) A timely request is made for such a hearing during the public comment period; and 2.) The person requesting the hearing identifies material issues concerning the preliminary determination and the Air Pollution Control Program determines that a public hearing will be useful in resolving those issues.

This public notice is made pursuant to Missouri State Rule 10 CSR 10-6.065, Operating Permits.

Louisiana Press-Journal
PO Box 466, 3408 Georgia Street
Louisiana, MO 63353

Attention: Legal Ads

To Whom It May Concern:

We wish to place the attached legal advertisement in your newspaper to be run ONCE. It must run on Wednesday, December 13, 2006.

We require a certified affidavit of publication be received in our office by December 27, 2006. Please submit the affidavit and invoice for payment to:

Attention: Cheri Bechtel
Department of Natural Resources
Air Pollution Control Program
P. O. Box 176
Jefferson City, MO 65102

If you have any questions, please contact me at (573) 751-4817. Thank you for your assistance.

Sincerely,

AIR POLLUTION CONTROL PROGRAM

Michael J. Stansfield, P.E.
Operating Permits Unit Chief

MJS/csk

c: Cheri Bechtel, Procurement Clerk
PAMS File: 2002-05-369

MISSOURI DEPARTMENT OF NATURAL RESOURCES FOLDER TRANSMITTAL ROUTING SHEET		Document #: Division Log #: Program Log #:
DEADLINE: Date		
Penalty for Missing Deadline: None		
Wayne B. Smith2002-05-369		
Originator: Richard J. CampbellTelephone: 522-3781Date:		
Typist: Karla Marshall.File Name: P:\APCP\Permits\Users\Rick Campbell\WB Smith\2002-05-369 Wayne B Smith 11292006.doc		
FOR SIGNATURE APPROVAL OF:		
<input type="checkbox"/> DNR Director <input type="checkbox"/> DNR Deputy Director <input type="checkbox"/> Division Director <input type="checkbox"/> Division Deputy DirectorX Other: James L. Kavanaugh		
PROGRAM APPROVAL: Approved by:Program: APCPDate:		
Other Program Approval (Section/Unit):Date:		
Comments:		
ROUTE TO:		
<input type="checkbox"/> DIVISION DIRECTOR APPROVAL:Date:		
Comments:		
<input type="checkbox"/> FINANCIAL REVIEW – DIVISION OF ADMINISTRATIVE SUPPORT:		
DAS Director:Date:		
<input type="checkbox"/> Fee Worksheet Received By:Date:		
Accounting:Date:		
Budget:Date:		
General Services:Date:		
Internal Audit:Date:		
Purchasing:Date:		
Comments:		
<input type="checkbox"/> LEGAL REVIEW:		
<input type="checkbox"/> General Counsel:Date:		
<input type="checkbox"/> AGO:Date:		
Comments:		
<input type="checkbox"/> DEPARTMENT DIRECTOR APPROVAL:Date:		
Comments:		
<input type="checkbox"/> NOTARIZATION NEEDED		
		INITIALS/DATE